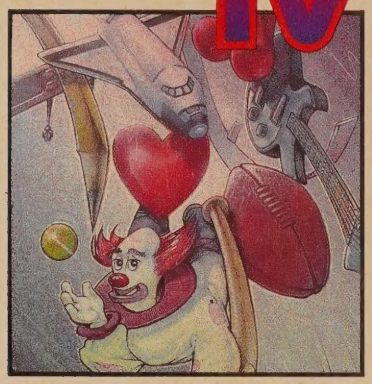
TUNING IN
Home Satellite TV

SATELLITE
ORBIT

More than 100 channels of programming

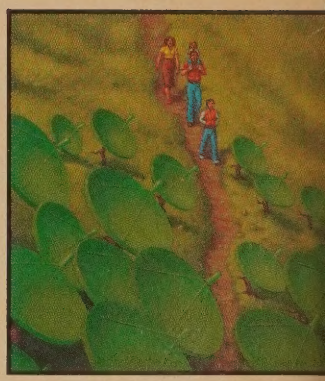
An unbeatable home entertainment value

TUNING IN Home Satellite TV



2. *The greatest selection is on home satellite TV.*

6. *Home satellite TV is easy to operate.*



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INTRODUCTION

1

In the beginning, there was the television—a simple box with a tiny screen that brought dim, black-and-white pictures into American living rooms in the early 1950s. It wasn't much to look at, and the reception was often terrible; but almost overnight, the humble TV revolutionized our lives.

Today, we stand on the threshold of a second revolution, one that could have an even more sweeping impact. A new technology called home satellite television has been born, a way of bringing you ultimate television—TV from space.

With home satellite television, you are no longer limited to watching the handful of channels you now get over the air or on cable. A home satellite TV system plugs you into more than 100 channels, bringing you an incredible variety of programs. You can watch movies old and new, every kind of sporting event, and news reports from all over the world. There are channels for kids and channels for adults only; educational and cultural shows; stations that focus on music and stations that focus on religion. You can bring it all down from the satellites to your living room with the touch of a button.

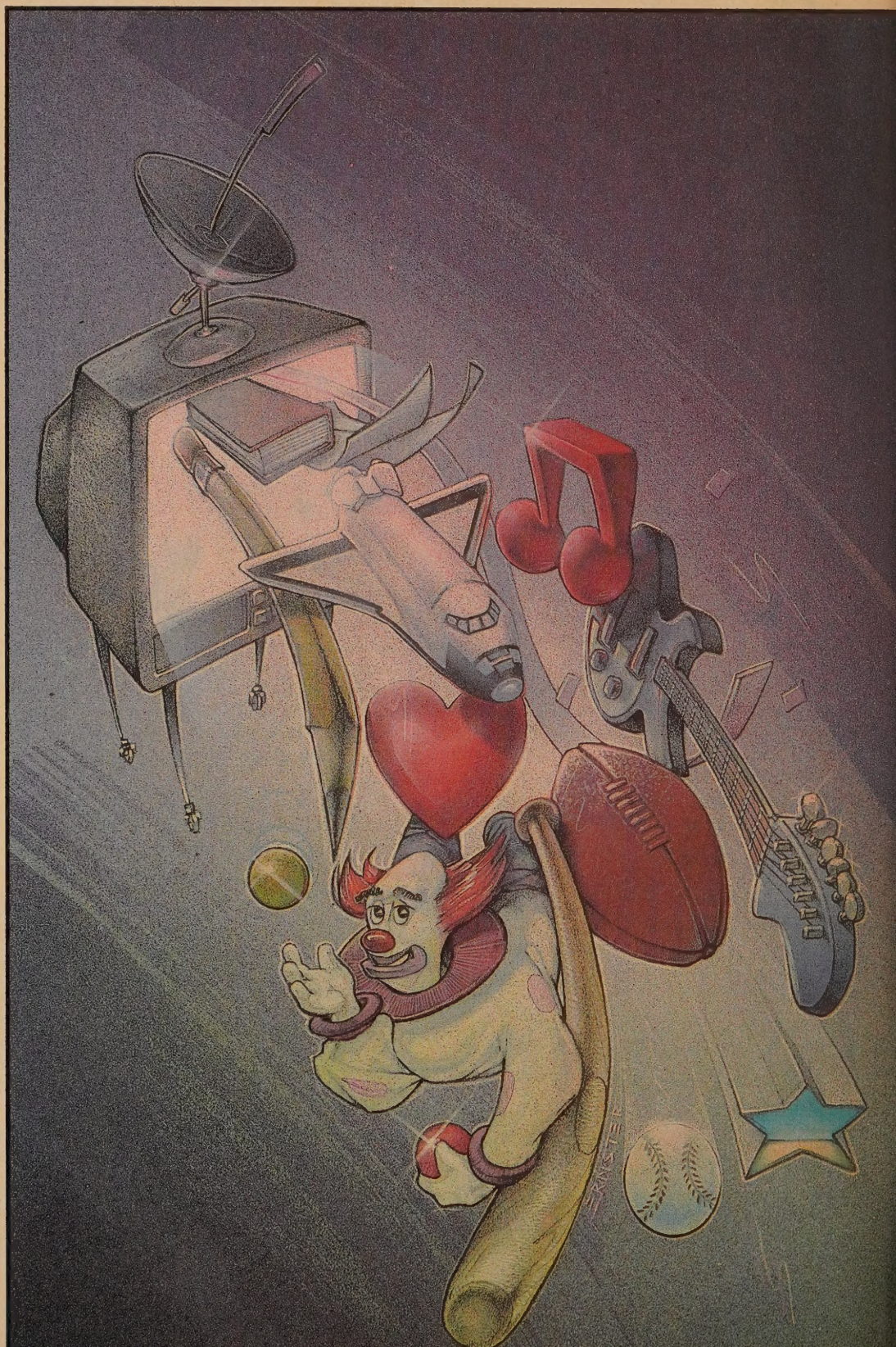
But regular TV broadcasts are only half of the story. A home satellite system can also do wonders for your ears, connecting you with a tuneful variety of radio stations that broadcast in stereo via satellite. So no matter where you live, you can listen to jazz from L.A., the classics from Chicago, or rock from Toronto.

All of this great programming is carried on roughly two dozen satellites now in operation over North America. But even more satellites and program services are on the way. By 1990, there will be almost twice as many satellites, providing a staggering variety of services. Experts predict that by the year 2000, there will be hundreds of channels carrying television and audio transmissions. Satellites will also open up new communications links that will make it possible to use a home satellite system to shop or bank from your home, talk with friends and family via video phones, and take educational courses electronically.

In short, television of the future is here today, and it is affordable, easy to operate, and completely legal. But any new technology can be intimidating, so we've created this booklet to help you get acquainted with home satellite TV. In the following pages, you'll find out how satellite TV systems work. We'll explain common satellite TV terminology and answer the questions consumers most frequently ask about home satellite systems. We'll tell you how you can pick up dozens of free channels, and how you can subscribe to the scrambled program services available to home satellite TV viewers. We've also included 16 pages of sample program listings from *Satellite Orbit*, the world's leading satellite TV magazine.

Spend a few minutes with this booklet and learn about the wonders of home satellite TV. Once you discover what you've been missing, you, too, will be ready to join the second television revolution.

2



3

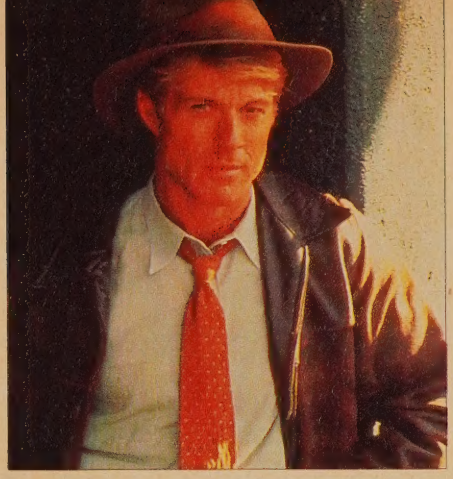
Take a moment to scan the sample pages from the *Satellite Orbit* programming guide and you'll understand why more than one million Americans have purchased home satellite systems. The reason, in a word, is *variety*. With a home satellite system, you will never again ask, "Is there anything good on TV tonight?" Instead, your challenge will be deciding what to watch out of the incredible variety of shows available.* In fact, just browsing through the channels can take an entire evening. Here's what you would find on a tour of the satellites any night of the week:

MOVIES

Home satellite TV is a bonanza for movie fans. About 650 flicks air each month on satellite, and most of them are uncut and uninterrupted by commercials. On any given evening, you can watch recent releases or classics, children's movies or adult films. The leading cable services—HBO, Showtime, The Movie Channel, Cinemax, Home Theater Network, and SelecTV—pack their schedules with movies. Superstations like WTBS, WGN, and WOR also offer generous movie lineups. One channel, American Movie Classics, specializes in broadcasting nothing but movies made before 1970.

SPORTS

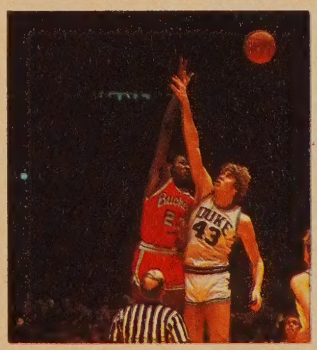
If you're a sports buff, you'll love satellite TV. No matter what the season, you can follow your favorite teams in football, baseball, basketball, and hockey. In baseball, for example, more than 2,000 major-league games are broadcast each season! Satellite TV lets you create your own schedule, choosing from network sports coverage, superstation broadcasts, and the events carried by all-sports channels like ESPN. And if you have a taste for the "minor" sports, satellite TV gives you your choice of soccer, tennis, boxing, track and field, golf, wrestling, gymnastics, horse racing, and more.



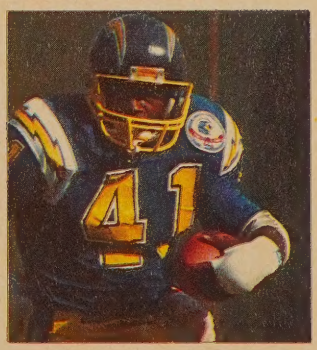
The Natural *is just one of hundreds of feature films that air each month on satellite TV.*

The Movie Channel features some Risky Business.

HBO's varied programming includes such science-fiction thrillers as The Terminator.

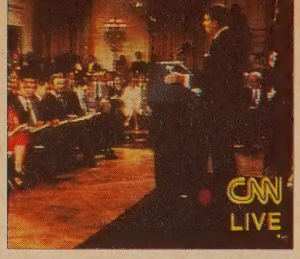


Keep tabs on your favorite teams with all-sports channels such as ESPN.

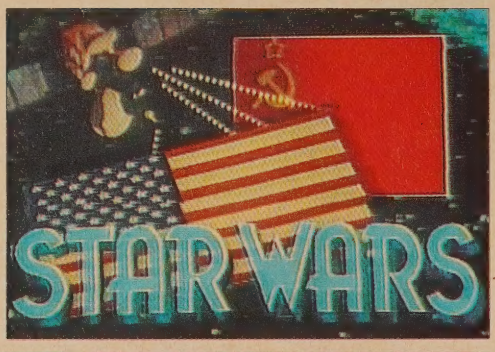


You'll never miss out on your home team's games with satellite TV.

** A NOTE ON SCRAMBLING: Most of the channels described here are available free. But some satellite TV services are scrambled, and others plan to scramble in the future. See page 32 for more information on how satellite TV viewers can receive scrambled channels.*



President Reagan meets the press on Cable News Network (CNN).



Keep up to date on the most important issues of our time with 24-hour news.

NEWS

Satellites have transformed the news, allowing the major TV news organizations to compile reports from all over the world, 24 hours a day. With a home satellite TV system, you can be your own editor, watching live hookups direct from where the news is happening. You can also follow the specialized news services reporting on developments in business, agriculture, health, and weather. For example, the Financial News Network and BizNet are two services that track the latest business news. You can also subscribe to more specialized information services, such as the Reuter Monitor Service, which provides investors with timely reports on world news and the financial markets.

What would children's programming be without the magical shows and specials on The Disney Channel?

Keep your family laughing with the Cosby Show *on NBC.*

CHILDREN'S PROGRAMS

There's a wide variety of creative and educational kids' programs on home satellite TV. From PBS's daytime lineup to Nickelodeon's high-spirited shows, children's TV via satellite is great way for your kids to learn and grow while they enjoy themselves.

Catch Tina Turner singing her way across the screen on music channels like MTV.

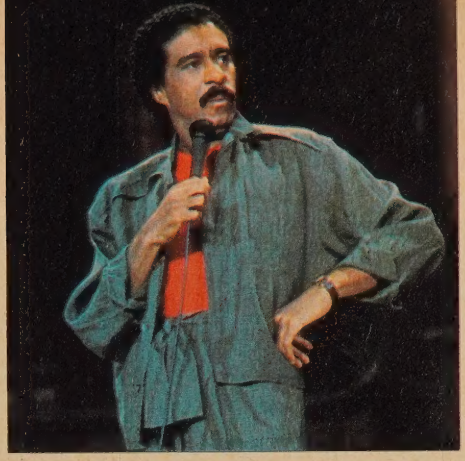
RELIGIOUS CHANNELS

Religious groups have embraced satellite television as an ideal way to spread the "Word." Whatever your persuasion, you can find inspiration on such religious channels as Eternal Word Television (a Catholic network), National Jewish Television, the Christian Broadcasting Network, Trinity Broadcasting Network, PTL—The Inspirational Network, and the National Christian Network. Many of these services offer family entertainment, too.

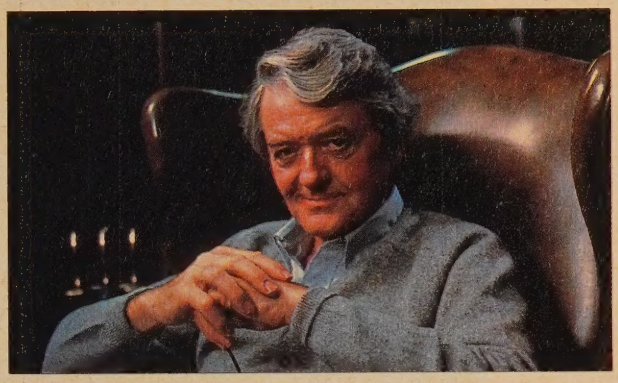
The stars of Songwriter *make beautiful music together on The Nashville Network.*

MUSIC

Whether you're a fan of jazz, rock, country, pop, or oldies, you can find a music service to suit your taste on satellite TV. MTV, VH-1, and The Nashville Network are the leading music video services. A home satellite TV system connects you with dozens of audio channels, too, most of which broadcast in full stereo.



Comedy specials showcase the uncensored talents of yesterday and today's comedians.



Hal Holbrook's Portrait of America *on Superstation WTBS.*

Jean-Michel and Jacques Cousteau in The Amazon, *just one example of the many educational programs on satellite TV.*

ADULT ENTERTAINMENT

Home satellite TV also offers R-rated and X-rated programs. Your choices range from the Playboy Channel and American Extasy to the FUN Channel and the Pay-Per-View Channel, two adult subscription services.

GOVERNMENT COVERAGE

The C-SPAN channel is a satellite TV service that provides live coverage of the U.S. House of Representatives, as well as House and Senate hearings and committee meetings. There's no better way to follow what's going on in Washington.

EDUCATIONAL SERVICES

If you're interested in self-improvement, the satellites are full of channels offering shows on every subject from health care to job training. The Discovery Channel and The Learning Channel are two such educational services on satellite TV. You can even earn college credits by watching some programs.

SUPERSTATIONS

Ted Turner invented the superstation when he put WTBS, his independent Atlanta TV station, up on satellite in 1976. Now satellite TV viewers can tune in superstations originating in New York, Chicago, Dallas—and even Mexico City.

CULTURAL PROGRAMS

Enrich your senses with the finest of fine arts, modern dance, ballet, opera, classical music, choral music, theater, and art cinema on satellite TV networks such as Arts & Entertainment and Bravo.

SPECIAL INTEREST PROGRAMMING

If there is any doubt in your mind that home satellite TV offers something for everyone, consider these unique channels: Spanish International Network (SIN) broadcasts Spanish-language programming 24 hours a day. Other services offer broadcasts in French and Japanese. The Silent Network provides sign language to accompany its shows. Viewers interested in space can follow shuttle launches on the NASA Contract Channel. Black Entertainment Television carries movies, specials, and sports 24 hours a day.

A few of the channels now on satellite are scrambled—electronically garbled so that you need a descrambling accessory to get clear pictures and sound. Over the next two years, more satellite programming services are expected to scramble. With a home satellite TV system, you have the option of buying or leasing a descrambling accessory and paying a modest subscription fee each month to receive these channels, or watching for free the majority of the channels which will not be scrambled. For more information on scrambling, see page 32.

To get a clearer picture of all that home satellite TV has to offer, turn to page 11 and look through the 16-page excerpt from Birdwatcher, the program listings guide from *Satellite ORBIT* magazine.

6

How does home satellite television work? In conventional television, local stations broadcast their signals over an area from a transmitter tower atop a tall building or a hill. The antenna on your roof or the rabbit ears on your set pick up those signals, and your TV turns them into pictures and sound. Satellite TV operates in a similar way, except that the transmitter is on a satellite in orbit 22,250 miles above the equator. To pick up television signals from the satellites, you use a more sensitive "dish" antenna instead of rabbit ears or a rooftop antenna. A home satellite TV system also includes electronic components that amplify the signals and convert them to the frequency your TV set uses.

If this sounds like something out of science fiction, that's no accident. It was Arthur C. Clarke, the author of *2001: A Space Odyssey*, who first proposed using satellites to relay radio, telephone, and television signals around the world. In a 1945 article, he showed that if a satellite was launched into a position 22,250 miles above the equator, it would complete one orbit every 24 hours, the same time it takes the earth to rotate once on its axis. As a result, the satellite would be *geosynchronous*, that is, it would stay in the same spot in the sky.

More than 40 years later, Clarke's theory has become a reality. There are more than 75 communications satellites hovering above the equator in the Clarke Belt, the 22,250-mile orbit the author described. More than 20 of those satellites beam television and radio signals to North America. You'll find a listing of the domestic satellites and the channels they carry on page 12 of the Birdwatcher excerpt in this booklet.

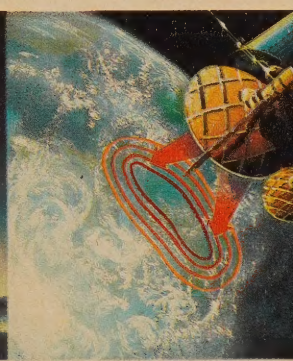
With a home satellite TV system, you can link up with this space communications system. Your television becomes the destination of TV signals from all over the world. Those signals start their journey at a transmitting station known as an *uplink*. Here, a dish beams the signal up to a satellite. Communications satellites are equipped with *transponders* which receive the signal and relay it back down to earth.

The satellite aims the signal at the earth in a pattern known as a *footprint*. Like the beam of a flashlight pointed at the ground, the signal from a satellite is stronger in the center than it is out at the edges of the footprint. The domestic TV satellites cover most of the U.S. with their signal footprints, but those signals are stronger in the Midwest than they are in Maine or in California.

A satellite capable of relaying 24 or more television channels is launched into space by a space shuttle or a rocket.

The satellite is positioned 22,250 miles above the equator in "geosynchronous" orbit.

A television signal is beamed through an "uplink" to the geosynchronous satellite.



The satellite receives and rebroadcasts the signal back to earth. The pattern of signal distribution is called a "footprint."

To receive the signals from a satellite, you need an earth station or "dish" antenna. The size of the dish needed for good reception depends on the strength of the signal in your part of the country. Again, if you live in the Midwest, you can use a smaller dish than you would if you lived in Maine. The surface of a dish antenna is curved so that the signals reflect to a single focal point. Here, a *feedhorn* collects the signals and passes them on to an *LNA* (low-noise amplifier). Because the transmission from the satellite is so weak—about as strong as a CB radio signal—it needs a large power boost from the LNA before it continues on through the system. Next, a downconverter changes the signal to a lower frequency.

Finally, the television signal travels over a cable to a *satellite receiver* which connects to your regular TV set. With the receiver, you can tune into any of the different transponders carried by each satellite. Most of the satellites have 24 transponders, each one carrying a different television "channel."

Those are the essential parts of a home satellite TV system. A number of accessories are available which make satellite TV more convenient and enjoyable.

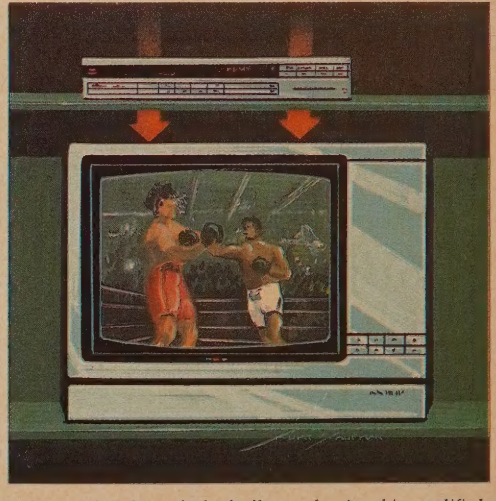
The domestic satellites span the sky from east to west in an arc, and to receive the signals from each one, the dish antenna must be moved so it points directly at each satellite. Antennas can be moved by hand, but motorized systems that automatically point a dish at a particular satellite at the push of a button are a popular option.

With the number of audio services carried on satellite and the growth of stereo TV broadcasts, stereo processors can add much enjoyment to a satellite TV system. Stereo processors are available as stand-alone components, or they come as a built-in feature of some satellite receivers.

To receive some satellite TV channels, a descrambler or decoder is necessary. The kind of descrambler you need depends on which scrambled services you want to receive; but one brand, the M-A/Com Videocipher II, will be able to decode the signals of most services. (For more on scrambling, see "Getting the Facts" on page 32.)

Almost all of the domestic satellites now in orbit transmit on a range of frequencies known as C-band. But several satellites have been launched that transmit their signals in a higher frequency range called Ku-band. The advantage of Ku-band is that it allows the use of smaller-sized dish antennas because the power of the satellite TV signal is stronger. Makers of satellite TV equipment have begun producing dual-band systems that can pick up both C-band and Ku-band signals. You can ask your satellite TV dealer for the latest information on Ku-band and dual-band equipment.

A home satellite television dish reflects the signal to the feedhorn assembly.



After passing through the feedhorn, the signal is amplified, converted to a lower frequency, processed by the receiver, and sent to your television set.

SATELLITE

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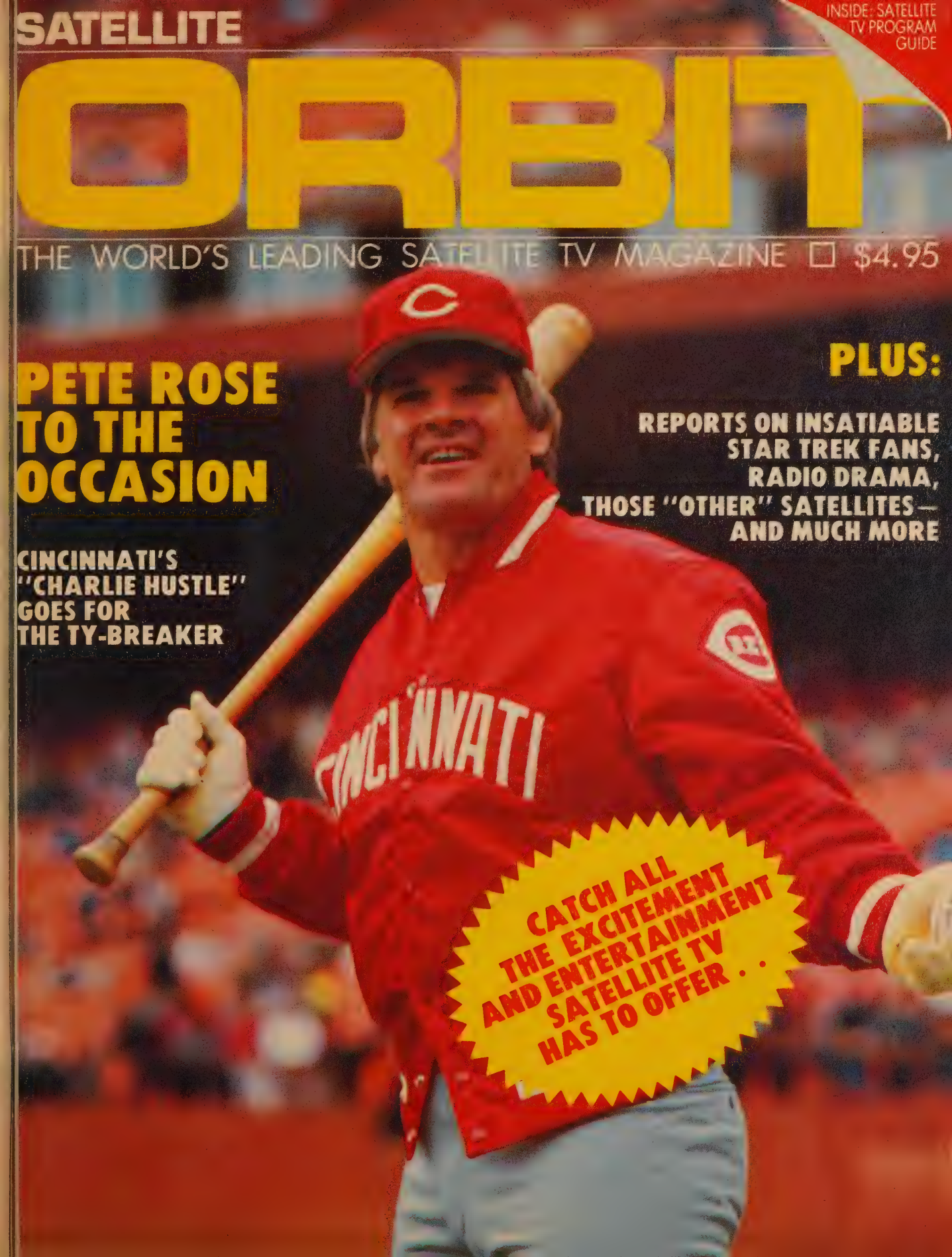
REPORTS ON INSATIABLE STAR TREK FANS, RADIO DRAMA, THOSE "OTHER" SATELLITES — AND MUCH MORE



CATCH ALL THE EXCITEMENT AND ENTERTAINMENT SATELLITE TV HAS TO OFFER . .

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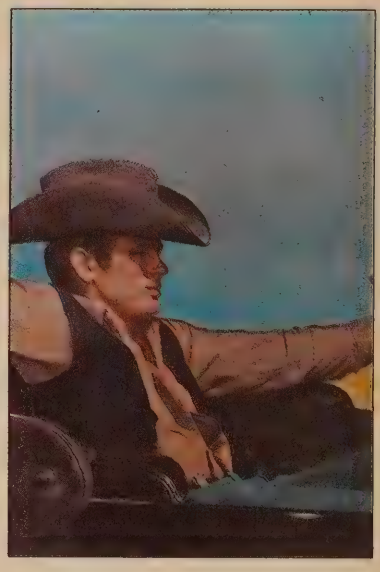

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Features

THE MOST SATELLITE TV LISTINGS AVAILABLE ANYWHERE.

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ENTERTAINING FEATURES

on the programs and personalities you want to know more about—from the hottest new superstars to the all-time greats.

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on getting the most out of your equipment—from fine-tuning your receiver to aligning your dish for the best reception *without* calling a service technician.

UPDATES ON NEW PRODUCTS

. . . new programming services . . . technological breakthroughs . . . and in-depth examinations of piracy, signal scrambling, and the other hot issues that can affect your enjoyment of satellite TV.

Of course, when it comes to locating the programs, there's no substitute for *Satellite ORBIT* 's "Birdwatcher" programming guide. Take a look through the 16-page excerpt that follows—and see what you've been missing.

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____ PKGS.	*Satellite ORBIT* magazines (available in multiples of 10 only @ $17.50 per package, postage and handling included).	Packs @ $17.50 each ($27.50)*	
2	1 FREE *Satellite ORBIT* Merchant Edition Programming Logs 1 FREE *Satellite ORBIT* Magazine	NO CHARGE	N/C
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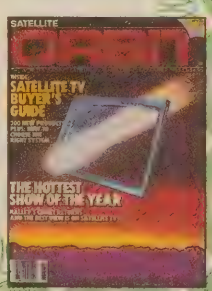

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Reprinted from Satellite ORBIT magazine

SATELLITE ORBIT

BIRDWATCHER

SATELLITE TELEVISION PROGRAM GUIDE

WHAT'S NEW

NEW SERVICES

HSN (Home Shopping Network) is planning to add a second service, HSN2, in March, replacing its simulcast feed on F4 (1). The original HSN will still be available on F3 (22).

Senate Republican Conference News is now transmitting on G3 (8) daily 3:45 pm-4:45 pm. The service features Republican news items and related events from the Senate.

At press time, **USA Network** was scheduled to launch an East Coast feed on G1 (21), which will air program three hours prior to the western feed on F3 (9).

SERVICES GONE DARK

Odyssey, formerly on F4 (23), has gone off the air. Future plans were not known at press time.

MSN: Modern Satellite Network (formerly on F3, 22) has stopped broadcasting. The network plans to sell its original programming to other broadcasters.

SERVICE CHANGES

The **HSN (Home Shopping Network)** feed on F3 (22) is now broadcasting 24 hours daily, taking over the two-hour time-slot left vacant by MSN.

ARIANE ROCKET LAUNCH

At press time, Arianespace, the European launch company, was scheduled to launch the first Ariane 3 rocket from Kourou, French Guiana on February 26, 1986. The rocket will carry GTE's GStar A2, a domestic Ku-band bird, and Brazilsat S-2, a Brazilian C-band bird planned for 70°W. Both birds will probably be used for telecommunications.

SCRAMBLING AND DECODER UPDATE

At press time, HBO and Cinemax were planning to switch from scrambling 12 hours a day to 24 hours a day on January 15, 1986. In order to receive HBO and/or Cinemax, dish owners need to purchase or lease a decoder and subscribe to the service. For more information about receiving HBO/Cinemax, write or call:

HBO Inc.
Direct Broadcast Dept.
1100 Avenue of the Americas
New York, NY 10036
(212) 302-6242

PROGRAMMING UPDATE

At press time, the specific dish owner programs were scheduled as follows:

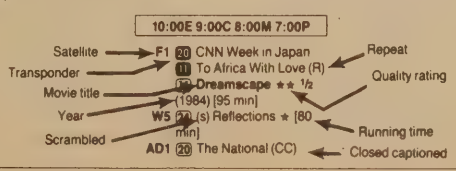
Program	Day/Time(ET)	Sat.	Tr.
Boresight News	Thu/9 pm	S1	7
Boresight Techline	Sun/8 pm	S1	7
The Nitec Show	Sun/8:30 pm	W5	21
SPACE Showtime	Tue/8 pm	S1	17
SPACE Showtime (R)	Wed/12 pm	S1	17
Satellite Forum	Sun/10 pm	W5	21

NOTE: The above schedules are subject to change.

The schedules for the services on Morelos 1 (XETV, XHITM, XHDF, XEW) were not available at press time.

HOW TO USE THIS GUIDE

To make the Birdwatcher Satellite Television Program Guide more convenient for your satellite TV viewing pleasure, we have features such as ratings, both for quality and suitability for age groups, running times, expanded descriptions, and much more, in an easy-to-read format. A sample guide is explained below.



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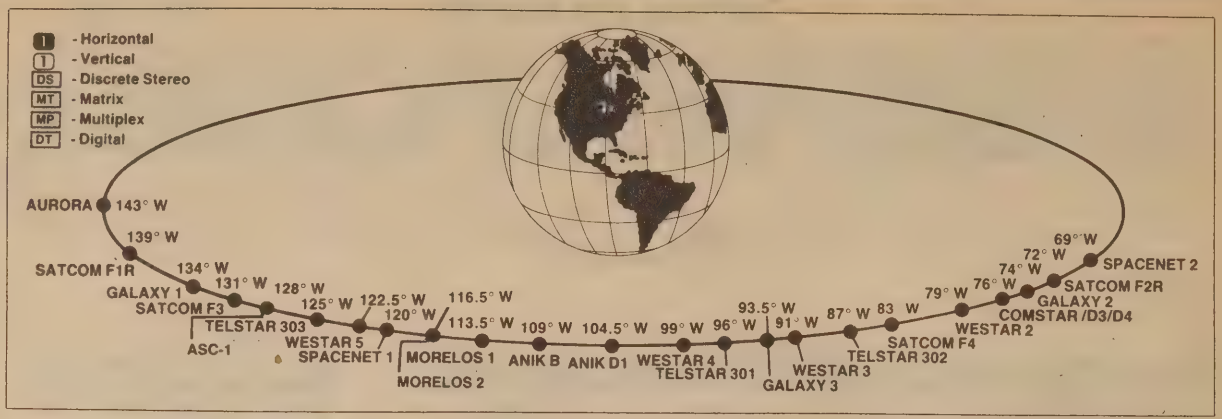

AURORA (F5) 143 W

ID# TR.# SERVICE

033 20 **Learn/Alaska Television Network**
Educational programming.
Daily, 8 am-11 pm.

003 24 **Alaska Satellite Television Project**
Independent programming and various network feeds.
Daily, 7 pm-12 am.

SATCOM F1R (F1) 139 W

ID# TR.# SERVICE

318 8 **NBC—East**
Occasional live/taped network programming.

541 13 **NASA Contract Channel**
Live NASA missions and related events.
Occasional during NASA missions.

356 15 **Yonkers Horse Racing** (s)
Occasional live horse racing.

GALAXY 1 (G1) 134 W

ID# TR.# SERVICE

219 2 **TNN (The Nashville Network)**
Country-oriented videos and programming.
Daily, 9 am-3 am.
Stereo DS 5.58/5.76 MHz

443 3 **WGN—Chicago**
Featuring movies, sports, specials, and syndicated programs.
Daily, 24 hours.

235 4 **The Disney Channel—East**
Family entertainment.
Daily, 6 am-1 am.
Stereo MT 5.8/6.8 MHz

354 5 **Showtime—East**
First-run movies, sports, and specials.
Daily, 24 hours.

051 6 **SIN (Spanish International Network)**
Spanish-language programming.
Daily, 24 hours.

220 7 **CNN (Cable News Network)**
Live round-the-clock news coverage and features.
Daily, 24 hours.

410 8 **CNN Headline News**
Continuously updated 30-minute wheel of hard news.
Daily, 24 hours.

424 9 **ESPN**
Professional, college, and amateur sporting events.
Daily, 24 hours.

353 10 **TMC (The Movie Channel)—East**
All-movie, commercial-free service.
Daily, 24 hours.
Stereo MT 5.8/6.8 MHz

222 11 **CBN Cable Network**
Family Christian entertainment (simulcast on F3, 8).
Daily, 24 hours.

559 12 **Request TV** (s)
First-run movies on a pay-per-view basis.
Daily, 9 am-5 am.

236 13 **C-SPAN**
Daily live coverage of the House of Representatives and Congressional and Senate hearings.
Daily, 24 hours.

237 14 **TMC (The Movie Channel)—West**
All-movie, commercial-free service.
Daily, 24 hours.
Stereo MT 5.8/6.8 MHz

224 15 **WOR—New York**
Sports, movies and syndicated shows.
Daily, 24 hours.

470 17 **PTL Satellite—The Inspirational Network**
Interdenominational family programming (simulcast on F3, 2).
Daily, 24 hours.
Stereo DS 5.58/5.76 MHz

346 18 **WTBS—Atlanta**
Family-directed programming including sports, movies, syndication, national and international news.
Daily, 24 hours.
Stereo DS 5.58/5.76 MHz

218 19 **Cinemax—East (s)**
First-run movies, sports, and specials.
Daily, 24 hours.

029 20 **GalaVision**
Spanish-language programming.
Weekends, 11 am-4 am. Weekdays, 4 pm-4 am.

592 21 **USA Network—East**
Sports-focused network also featuring special-interest programs.
Daily, 24 hours.

542 22 **AVN (Alternate View Network)**
Educational and religious programming focusing on religious and ethical issues.
Sundays 10:45 am-2:45 pm.

223 23 **HBO (Home Box Office)—East (s)**
First-run movies, sports, and specials.
Daily, 24 hours.

238 24 **The Disney Channel—West**
Family-oriented programming.
Daily, 6 am-1 am.
Stereo MT 5.8/6.8 MHz

SATCOM F3 (F3) 131 W

ID# TR.# SERVICE

042 1 **Nickelodeon—East**
Designed for pre-school through teenage audiences.
Daily, 24 hours.

047 2 **PTL Satellite-The Inspirational Network**
Inter-denominational family programming (simulcast on G1, 17).
Daily, 24 hours.
Stereo DS 5.58/5.76 MHz

493 3 **TBN (Trinity Broadcasting Network)**
Family Christian programming.
Daily, 24 hours.

259 4 **FNN (Financial News Network)/SCORE**
Live business and financial news. Sports news and occasional sporting events.
FNN-Weekdays, 6 am-8 pm.
SCORE-Weekdays, 8 pm-6 am.
Weekends, 24 hours.

592 5 **Viewer's Choice** (s)
First-run movies on a pay-per-view basis.
Daily, occasional.

388 6 **SPN (Satellite Program Network)**
Movies, entertainment, how-to's, financial self-help programs, and video music.
Daily, 24 hours.

442 7 **ESPN Blackout Network**
Occasional programming that can be used in place of sports events that are blacked out.

015 8 **CBN Cable Network**
Family Christian entertainment (simulcast on G1, 11).
Daily, 24 hours.

058 9 **USA Network—West**
Sports-focused network also featuring special-interest programs.
Daily, 24 hours.

104 10 **Showtime—West**
Commercial-free movies, sports, and specials.
Daily, 24 hours.

037 11 **MTV: Music Television**
Advertiser-supported video music channel.
Daily, 24 hours.

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Stereo DS 5.58/6.62 MHz
Stereo DT 7.4 MHz

027 12 **EWTN (Eternal Word Television Network)**
Catholic spiritual growth programming with family entertainment.
Daily, 8 pm-12 am.

105 13 **HBO (Home Box Office)—West (s)**
Movies, sports, and entertainment specials.
Daily, 24 hours.

586 14 **Open-net**
Public affairs programming from North Carolina.
Fridays, 8 pm-10 pm.

382 15 **VH-1/Video Hits One**
Advertiser-supported video music service.
Daily, 24 hours.
Stereo DT 5.8 MHz

032 16 **HTN (Home Theater Network)**
Family programming, including movies, specials, and travel.
Daily, 4 pm-4 am.
Stereo MP 6.8 MHz

002 16 **TLC (The Learning Channel)**
Learning programs and college credit courses for adults.
Daily, 6 am-4 pm.

216 17 **Lifetime**
Programming about health, relationships, self-development, and other self-help topics.
Daily, 24 hours.

048 18 **Reuter Monitor Service** (s)
News and price retrieval in commodity, money, and investment markets.
Weekdays, 4 am-8 pm.

313 18 **NJT (National Jewish Television)**
Family Jewish programming.
Sundays, 1 pm-4 pm.

441 20 **BET (Black Entertainment Television)**
Black-oriented movies, specials, and sports.
Daily, 24 hours.
Stereo DS 5.58/5.76 MHz

059 21 **The Weather Channel**
Live, constantly updated, national weather service.
Daily, 24 hours.

491 22 **HSN (Home Shopping Network)**
Designed for shopping at home via television (Simulcast on F4,1).
Daily, 24 hours.

057 22 **USA Blackout Network**
Occasional programming that can be used in place of sports events that are blacked-out.

106 23 **Cinemax—West (s)**
Commercial-free movies, sports and specials.
Daily, 24 hours.

387 24 **A&E (Arts & Entertainment)**
Featuring Broadway plays, dramatic and comedy series.
Daily, 8 am-4 am.
Stereo DS 5.58/5.76 MHz

ASC-1 (AS1) 128W

No Active Video

TELSTAR 303 (T3) 125 W

ID# TR.# SERVICE

500 1 **CMTV (Country Music Television)**
Country-oriented videos and programming.
Daily, 24 hours.
Stereo DS 5.58/5.76 MHz

499 2 **SelecTV**
Feature films and adult movies.
Daily, 24 hours.

496 18 **American Extasy**
Advertiser-supported X-rated movies.
Daily, 11 pm-4 am.

501 22 **KTVT—Dallas**
Featuring outdoor and specialty sports, movies, and syndicated programming.
Daily, 24 hours.

WESTAR 5 (W5) 122.5 W

ID# TR.# SERVICE

199 2 **The University Network (The Unchannel)**
Nonsecular programming with Dr. Gene Scott.
Daily, 24 hours.

292 7 **CBS—Contract Channel**
Occasional live/taped network programming.

494 8 **PASS (Pro Am Sports System)**
Occasional sports service from Michigan, Ohio, and Indiana.

593 20 **Telebet Racings** (s)
Occasional live horse racing.

291 22 **The Meadows Racing Network**
Harness racing
Fri., Sat. 7 pm-11:30 pm. Sun 6:30 pm-11 pm.

497 24 **The FUN Channel** (s)
XXX-rated adult entertainment.
Daily 11 p.m.-6 a.m.

498 24 **PPV—The Pay-Per-View Channel** (s)
XXX-rated adult movies and other special events on a pay-per-view basis.
Fri. and Sat. 9 pm-11 pm.

SPACENET 1 (S1) 120 W

ID# TR.# SERVICE

326 11 **HSN (Hospital Satellite Network)** (s)
Medical programming and uplifting movies.
Daily, 24 hours.

336 15 **ACTS (American Christian Television System)**
Family Christian entertainment.
Daily, 24 hours.

451 21 **VMT (Vanderbilt Medical Television** (s)
Medical programming for doctors and hospitals.
Tues., Wed., Fri., 9 am-10 am.
Thurs. and Sat. 9 am-10:30 am.

460 21 **BTN (Baptist Telecommunications Network)** (s)
Religious programming for churches.
Daily, 11 am-4 pm.

MORELOS 2 (M2) 116.5 W

No Active Video

MORELOS 1 (M1) 113.5 W

ID# TR.# SERVICE

540 12 **XEW—Mexico City**
Spanish language programming originating from Mexico.
Daily, 24 hours.
Mono audio at 6.2 MHz

539 14 **XHITM—Me**
Spanish languag
programming origin
Mexico.
Daily, 24 hours.
Mono audio at 6.2 MHz

538 22 **XHDF—Mexico City**
Spanish language programming originating from Mexico.
Daily, 24 hours.
Mono audio at 6.2 MHz

537 24 **XETV—San Diego/Tijuana**
CBS network affiliate.
Daily, 9 am-5 am.
Mono audio at 6.2 MHz

ANIK B (AB) 109 W

No Active Video

ANIK D1 (AD1) 104.5 W

ID# TR.# SERVICE

320 2 **TSN (The Sports Network)**
Covering a variety of sports programming.
Daily, 24 hours.

334 6 **MuchMusic**
Videos, concerts, and special events.
Daily, 24 hours.
Stereo DS 5.41/6.17 MHz

017 8 **CHCH—Hamilton** (s)
Independent service with varied programming.
Daily, 6 am-2 am.

248 9 **WDIV—Detroit** (s)
NBC affiliate feeds and independent programming.
Daily, 24 hours.

408 10 **WXYZ—Detroit** (s)
ABC affiliate feeds and independent programming.
Daily, 24 hours.

249 11 **CBC North—Pacific**
English-language network feeds.
Daily, 11 am-3 pm.

056 14 **TCTV (Telemedia Communications Television)** (s)
French-language TVA network programming.
Daily, 8 am-1 am.

250 15 **CBC French—Eastern**
French-language network feeds.
Daily, 11 am-3 am.

264 16 **Canadian Parliamentary Network**
Occasional French-language live coverage from the Canadian House of Commons.

213 18 **CITV—Edmonton** (s)
Independent service with varied programming.
Sundays, 8 am-5 am.
Mon.-Sat., 8 am-6 am.

344 19 **CBC North—Eastern**
English-language network feeds.
Daily, 8 am-12 pm.

251 20 **CBC—Montreal**
CBC English-language affiliate.
Daily, 8 am-2 am.

252 21 **WTVS—Detroit** (s)
PBS affiliate feeds and independent programming.
Daily, 24 hours.

007 22 **BCTV—British Columbia** (s)
CTV affiliate feeds and independent programming.
Daily, 9 am-5 am.

253 23 **WJBK—Detroit** (s)
CBS affiliate feeds and independent

programming.
Daily, 24 hours.

014 24 **Canadian Parliamentary Network**
Occasional English-language live coverage from the Canadian House of Commons.

254 24 **CBC North—Eastern**
French-language network feeds.
Daily, 8 am-12 pm.

WESTAR 4 (W4) 99 W

ID# TR.# SERVICE

416 6 **Atlantic City Horse Racing** (s)
Occasional live horse racing.

415 6 **Word of Faith Satellite Network**
Occasional interdenominational family programming.

282 11 **CTNA (Catholic Telecommunications Network of America)** (s)
Family Christian programming.
Daily, 1 pm-4 pm.

045 15 **PBS (Public Broadcasting Service)**
Eastern programming.
Sun. 9 am-2 am, Mon.-Fri., 10 am-2 am, Sat., 8 am-12 am.

332 16 **CNN (Cable News Network)**
Occasional incoming regional bureau news feeds.

242 17 **PBS (Public Broadcasting Service)**
Central programming.
Sat., 12 pm-4 am, Mon.-Fri., 8 am-1 am, Sun., 9 am-11 pm.

301 20 **ABC—Contract Channel**
Occasional live/taped network programming.

243 21 **PBS (Public Broadcasting Service)**
Mountain programming.
Sun., 8 am-2 am, Mon.-Fri., 7 am-4 am., Sat., 1 pm-4 pm.

244 23 **PBS (Public Broadcasting Service)**
Pacific programming.
Sun., 10 pm-11 pm, Mon.-Fri., 11 am-12 pm.

TELSTAR 301 (T1) 96 W

ID# TR.# SERVICE

319 2 **CBS—Central**
Live/taped network feeds (simulcast on T2, 20).
Sun., 10 am-12 am, Weekdays, 8 am-5 am, Sat., 8 am-12 am.

263 9 **Wold Communications**
Occasional news, sports, network, and syndicated programming.

001 10 **ABC—Central**
Live/taped network feeds.
Weekends, 8 am-12 am. Weekdays, 8 am-5 am.

302 12 **ABC—Contract Channel**
Occasional live/taped network feeds.

377 23 **Wold Communications**
Occasional news, sports, network, and syndicated programming.

GALAXY 3 (G3) 93.5 W

ID# TR.# SERVICE

593 8 **Senate Republican Conference News**
Republican conference news and related events from the Senate
Daily, 3:45 pm-4:45 pm

WESTAR 3 (W3) 91 W

ID# TR.# SERVICE

339 5 **CNN (Cable News Network)**
Occasional incoming regional bureau news feeds.

303 21 **TIN (The Independent Network)**
Occasional national newscasts for independent stations.

TELSTAR 302 (T2) 86 W

ID# TR.# SERVICE

492 10 **ABC—West**
Live/taped network feeds.

457 16 **CBS—Affiliate feeds**
Occasional live/taped network programming.

458 20 **CBS—Central**
Live/taped network feeds (simulcast on T1, 2).
Sun. 10 am-12 am, Weekdays, 8 am-5 am, Sat., 8 am-12 am.

SATCOM F4 (F4) 83 W

ID# TR.# SERVICE

550 1 **HSN (Home Shopping Network)**
Designed for shopping at home via television. (Simulcast on F3, 22).
Daily, 24 hours.

551 2 **The C.O.M.B. Value Network**
Shopping at home via television.
Weekdays, 2:30 pm-7:30 pm.
Weekends, 12:00 pm-5:00 pm.

011 2 **Bravo**
International films, award-winning film festivals, and the performing arts.
Weekends, 5 pm-6 am.
Weekdays, 8 pm-6 am.
Stereo MP 5.8/6.8 MHz

428 4 **Nickelodeon—West**
Designed for pre-school through teenage audiences.
Daily, 24 hours.

379 5 **ABC—Affiliate feeds**
Occasional live/taped network feeds.

478 6 **BizNet, the American Business Network**
Business and public affairs programming.
Weekdays, 6 am-2 pm.

546 6 **MSG (Madison Square Garden)**
Sports and variety programming.
Weekdays, 7 pm-4 am. Weekends, approx. 2 pm-4 am.

041 7 **NCN (National Christian Network)**
Multi-denominational religious programs.
Daily, 24 hours.

564 8 **The People's Choice (s)**
Occasional first-run movies on a pay-per-view basis.

284 9 **SportsVision**
Occasional regional sports network from the Chicago area.

329 10 **AMC (American Movie Classics)**
Covering movies made before 1970.
Daily, 8 pm-6 am.

425 11 **HSE (Home Sports Entertainment)**
Regional sports service serving Texas, Louisiana, Arkansas, Oklahoma, and New Mexico.
Daily, 6 pm-1 am.

046 12 **The Playboy Channel**
Adult-oriented game shows, music specials, and films.
Daily, 8 pm-6 am.

548 12 **The Heartbeat Network**
Religious and family-oriented programming.
Daily, 6 am-8 pm.

328 13 **NESN (New England Sports Network)**
Occasional regional service covering the New England states.

425 14 **HSE (Home Sports Entertainment)—Affiliate feeds**
Occasional sports feeds.

560 14 **Playboy Private Ticket**
Occasional adult programming.

557 15 **SNL (Success-N-Life Network)**
Educational, exercise, and variety Christian programming. Spanish audio on special telecasts. 6.2 MHz.

389 16 **The Silent Network**
Programming in sign language and voice.
Sat. 9:30 am-11:30 am.

588 18 **Hit Video USA**
Contemporary hit music videos.
Daily, 24 hours.

289 19 **WPIX—New York**
Family-oriented programming, movies, and sports.
Daily, 24 hours.

547 20 **Prime Ticket**
Occasional nightly sports programming from the Los Angeles Forum.

471 21 **The Nostalgia Channel**
Movies, comedy, and variety.
Daily, 24 hours.

585 22 **HTS (Home Team Sports)**
Sports service from the Capitol region.
Daily, 24 hours.

558 24 **Nightline Television Network**
Religious and variety programming.
Daily, 8 pm-11 pm.

WESTAR 2 (W2) 79 W

No Active Video

COMSTAR D3/D4 76W

No Active Video

GALAXY 2 (G2) 74 W

Occasional video only on transponders 15, 16, 17, and 18.

SATCOM F2R (F2) 72 W

536 13 **NASA Contract Channel**
Live NASA missions and related events.
Daily, 24 hours during NASA missions.

453 20 **AFRTS (American Forces Radio and Television)**
Independent programming and various network feeds.
Daily, 24 hours

SPACENET 2 (S2) 69 W

No Active Video

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SATCOM F1R (F1) 139 W

ID#	TR.#	SERVICE
440	3	**CNN Radio Network** Complete news updates in 30 minute cycles, 24 hours daily in monaural 6.3 MHz.

GALAXY 1 (G1) 134 W

ID#	TR.#	SERVICE
454	3	**Satellite Radio Network** Gospel music, news, and ministries available 24 hours daily. 6.2 MHz. (simulcast on F3, 2)
445	3	**Moody Broadcasting Network** Variety religious programming available 24 hours daily. Stereo DS 5.4/7.92 MHz
446	3	**Seeburg/Lifestyle Music** Monaural commercial-free music broadcast 24 hours daily. 7.695 MHz.
450	3	**Seeburg/Lifestyle Adult Contemporary** Monaural commercial-free vocal hits broadcast 24 hours daily. 8.145 MHz.
447	3	**Cable SportsTracker** Alphanumeric sports information transmitted 24 hours daily.
448	3	**UPI DataCable** 24 hour text news service in English and Spanish. 7.257 MHz.
449	3	**WFMT—Chicago** Fine arts/classical music broadcast 24 hours daily. Stereo DS 6.3/6.48 MHz
466	3	**Rock 'n' Hits** Rock music broadcast 24 hours daily. Stereo DT
463	3	**Country Coast-to-Coast** Country music broadcast 24 hours daily. Stereo DS 5.94/6.12 MHz
464	3	**Stardust** MOR from the 1940s to the 80s available 24 hours daily. Stereo DS 7.38/7.56 MHz
465	3	**StarStation** Adult contemporary broadcast 24 hours daily. Stereo DS 5.58/5.76 MHz
397	7	**CNN Radio Network** Complete news updates in 30 minute cycles, 24 hours daily. 6.3 MHz.
482	13	**Studioline/All Time Favorites** Adult contemporary music broadcast 24 hours daily. Stereo DS 5.22/5.40 MHz
483	13	**Studioline/Easy Listening** Easy listening broadcast 24 hours daily. Stereo DS 5.58/5.76 MHz
484	13	**Studioline/The Classics** Classical music broadcast 24 hours daily. Stereo DS 5.94/6.12 MHz
485	13	**Studioline/Hit Country** Country and western music broadcast 24 hours daily. Stereo DS 6.30/6.48 MHz
486	13	**Studioline/Super Hits** Top 40 music broadcast 24 hours daily. Stereo DS 7.38/7.56 MHz
426	15	**The Greek Network** Music, news, sports, and specials in Greek. Broadcast 24 hours daily. 7.335 MHz.
427	15	**The Italian Network** Music, news, sports, and specials in Italian. Broadcast 24 hours daily. 7.515 MHz.
479	15	**WQXR—New York** Classical music broadcast 24 hours daily. Stereo DS 6.3/6.48 MHz
584	18	**Sastellite Data Network** News, business, information, stock and commodity quotes in text.

SATCOM F3 (F3) 131 W

ID#	TR.#	SERVICE
094	2	**Satellite Radio Network** Gospel music news and ministries available 24 hours daily. 6.2 MHz. (simulcast on G1, 3)
535	3	**Genesis Cable Storytime** Children's storybooks in color computer graphics with silent text. Available 24 hours daily on 7.237 MHz.
495	4	**Satellite Jazz Network** Jazz programming from KKGO, Los Angeles, broadcast 24 hours a day. Stereo DS 5.58/5.76 MHz
366	6	**StarShip Adult Contemporary** Traditional MOR 24 hours daily. Stereo DS 5.58/5.76 MHz
475	6	**StarShip Country and Western** Country music 24 hours daily. Stereo DS 5.4/5.94 MHz.
084	6	**StarShip Comedy** Comedy broadcast 24 hours daily. Stereo DS
474	6	**StarShip '50s, '60s, and '70s** Hits from the '50s, '60s, and '70s broadcast 24 hours daily. Stereo DS
086	6	**StarShip Big Bands** The big band era broadcast 24 hours daily. Stereo DS
476	6	**StarShip Hits** Progressive rock broadcast 24 hours daily. Stereo DS
477	6	**In Touch** Reading from daily newspapers and leading publications 24 hours daily. 7.875 MHz.
074	7	**ESPN Informational Network** Daily program schedules and advance event information. Available 9 am to 12:30 pm on 6.2 MHz.
203	8	**StarShip Jazz** Vocal and instrumental jazz, interviews, and discussions available 24 hours daily. Stereo DS
205	8	**StarShip Contemporary Christian** Vocal and instrumental programs with spiritual vignettes. Available 24 hours daily. Stereo DS 6.30/6.48 MHz
204	8	**StarShip Easy Listening** Contemporary easy listening available 24 hours daily. Stereo DS
067	14	**CNN Radio Ne** Complete news up ute cycles, 24 hours monaural. 6.3 MHz.
068	16	**Commodity Commun Corporation** (s) Scrambled quote service avai am-3:30 pm in monaural. 6.2 M
487	19	**Studioline/Rhythmix** Urban contemporary/dance music broadcast 24 hours daily. Stereo DS 5.76/5.94 MHz
488	19	**Studioline/Album Tracks** Selections from hit albums broadcast 24 hours daily. Stereo DS 5.40/5.58 MHz
489	19	**Studioline/All That Jazz** Big band and jazz music broadcast 24 hours daily. Stereo DS 6.12/6.3 MHz
490	19	**Studioline/Specials Channel** Specials and variety music broadcast 24 hours daily. Stereo DS 7.38/7.56 MHz

TELSTAR 303 (T3) 125 W

ID#	TR.#	SERVICE
534	18	**FM America** Easy listening format. Daily, 12 am-9 pm. Dish owner's talk show. Daily, 9 pm-12 am. 6.2 MHz.
587	18	**North America 1** Contemporary hits, easy listening, albums, and talk shows available 24 hours daily. 7.56 MHz.

WESTAR 5 (W5) 122.5 W

ID#	TR.#	SERVICE
461	18	**Sheridan Broadcasting Network** News, sports, and MOR 24 hours daily. 5.4, 5.58 and 5.76 MHz.

ANIK D1 (AD1) 104.5 W

ID#	TR.#	SERVICE
533	4	**CFNY-FM, Toronto, Ontario** Alternative contemporary and variety rock music 24 hours daily. Stereo DS 5.4/5.58 MHz
267	8	**CKY-AM, Winnepeg, Manitoba** Occasional contemporary and MOR music. 7.605 MHz.
269	14	**CITE-FM, Montreal, Quebec** French-language M.O.R. 24 hours daily. 6.17 MHz.
270	14	**CKAC-AM, Montreal, Quebec** French-language M.O.R. 24 hours daily. 5.41 MHz.
431	16	**CBC-FM—Eastern (French)** CBC French programming 24 hours daily. Stereo DS 5.4/5.58 MHz
435	16	**CBC-FM—Eastern (English)** CBC programming 24 hours daily. Stereo DS 5.76/5.94 MHz

273 [18] **CIRK-FM (K-97), Edmonton, Alta**
Progressive rock 24 hours daily. Stereo [MP] 6.17 MHz

562 [18] **CKO-FM, Toronto, Ontario**
News and information. 24 hours daily. 6.17 MHz.

274 [20] **CBM-AM, Montreal, Quebec**
CBC programming available 24 hours daily. 6.12 MHz.

275 [22] **CBC-FM**
CBC programming available 24 hours daily.
Stereo [DS] 5.76/5.94 MHz

276 [22] **CFMI-FM, Vancouver, B.C.**
Soft album rock available 24 hours daily. 6.8 MHz.

537 [23] **CKRW-AM, Whitehorse, Yukon**
Country and western music at 5.4 l MHz. Daily, 24 hours.

561 [18] **VOCM, St. Johns, Newfoundland**
Adult contemporary music at 6.17 MHz. Daily, 24 hours.

438 [24] **CBC-FM—Eastern (French)**
French language programming available 24 hours daily.
Stereo [DS] 5.41/5.58 MHz

437 [24] **CBC-FM—Eastern (English)**
CBC programming available 24 hours daily.
Stereo [DS] 5.76/5.94 MHz

SATCOM F4 (F4) 83 W

ID#	TR.#	SERVICE
396	[3]	**Georgia Radio News Service** News, sports, and information available 24 hours daily.
075	[7]	**Family Radio Network (East)** 24 hour Bible-centered religious format. Stereo [DS] 5.58/5.76 MHz
109	[7]	**Family Radio Network (West)** 24 hour Bible-centered religious format. Stereo [DS] 5.94/6.12 MHz
481	[21]	**National Broadcast Museum Superstation** Vintage music and talk shows. Broadcast 24 hours daily at 6.2 MHz.

Frank Sinatra

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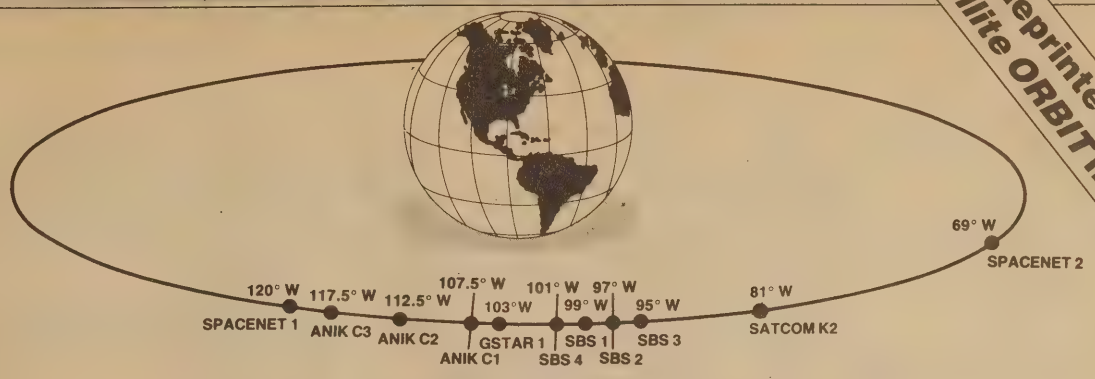

Services listed may not be available in all geographic areas, and transponder numbers differ with all receivers. Contact your dealer for more information.

SPACENET 1 (S1) 120 W

No Active Video

ANIK C3 (C3) 117.5 W

ID#	TR.#	SERVICE
502	3	**Occasional Transmissions—Western beam** Sporting events, news and network feeds.
504	8	**Knowledge Network—Western beam** British Columbia educational programming. Daily, 24 hours.
505	9	**Alberta Access—Western beam** Alberta educational programming. Daily, 24 hours.
507	10	**Premier Choix/TVEC—West—Western beam** First-run movies, sports, and specials in French. Daily, 24 hours.
506	12	**Superchannel/First Choice—Western beam** First-run movies, sports and specials. Daily, 24 hours.
565	17	**Atlantic Satellite Network—Eastern beam** CTV network programming. Daily, 24 hours.
566	18	**Occasional Transmission—Eastern beam** Sporting events, news and network feeds.
568	19	**Premier Choix/TVEC—East—Eastern beam** First-run movies, sports and specials in French. Daily, 24 hours.
509	20	**Occasional Transmissions—Eastern beam** Sporting events, news and network feeds.
510	24	**La Sette (TVFQ-99)—Eastern beam** Taped French network programming. Daily 24 hours.
511	26	**TVOntario—Eastern beam** Ontario educational programming. Daily, 8 am-12 am.
512	31	**Superchannel/First Choice—Eastern beam** First-run movies, sports, and specials. Daily, 24 hours.
513	32	**Radio Quebec—Eastern beam** Quebec educational programming. Daily, 24 hours.

ANIK C2 (C2) 112.5 W

No Active Video

ANIK C1 (C1) 107.5 W

No Active Video

GSTAR 1 (GS1) 103 W

ID#	TR.#	SERVICE
576	7	**Occasional Transmissions** Sporting events, news and network feeds.
575	9	**NTU (National Technological University)** Occasional college courses focusing on technological developments.
574	10	**AMCEE** Occasional college courses focusing on technological developments.
572	13	**Campus Satellite Network** Occasional entertainment for college campus distribution.
573	14	**Occasional Transmissions** Sporting events, news, and network feeds.
584	15	**Occasional Transmissions** Sporting events, news, and network feeds.
577	19	**ESPN** Professional, college and amateur sporting events. Daily, 24 hours.
578	20	**CNN Headline News** Continuously updated 30-minute wheel of hard news. Daily, 24 hours.
579	23	**Showtime—East—Eastern beam** First-run movies, sports and specials. Daily, 24 hours.
580	24	**Biznet, WTBS, Satellite Cinema—Eastern beam** News, variety and first-run movies. HI-NET occasional videoconferencing. Daily, 24 hours.
581	29	**Occasional Transmissions** Sporting events, news, and network feeds.
582	31	**Showtime—West—Western beam** First-run movies, sports and specials. Daily, 24 hours.
583	32	**Biznet, WTBS, Satellite Cinema—Western beam** News, variety and first-run movies. HI-NET occasional videoconferencing. Daily, 24 hours.

SBS 4 (SB4) 101 W

No Active Video

SBS 1 (SB1) 99 W

No Active Video

SBS 2 (SB2) 97 W

No Active Video

SBS 3 (SB3) 95 W

ID#	TR.#	SERVICE
517	1	**Occasional Transmissions** Sporting events, news, and network feeds.
570	3	**NBC—Affiliate feeds** Occasional live/taped network feeds.
571	4	**Occasional Transmissions** Sporting events, news and network feeds.
569	5	**NBC—Pacific** Live/taped network programming. Daily, 24 hours.
522	6	**NBC—Central** Live/taped network programming. Daily, 24 hours.
523	7	**Conus/Hubcom** Remote newsfeed access channel.
525	8	**PSN (Private Satellite Network)** (s) Occasional teleconferencing and private video network feeds.
526	9	**NBC—News feeds** Occasional live/taped news feeds and network programming.
527	10	**Occasional Transmissions** Sporting events, news, and network feeds.

SATCOM K2 (K2) 81 W

No Active Video

SPACENET 2 (S2) 69 W

ID#	TR.#	SERVICE
529	20	**Occasional Transmissions** Sporting events, news, and network feeds.
532	22	**Occasional Transmissions** Sporting events, news, and network feeds.

THE BIRDS AT A GLANCE

USE SPACE BELOW TO LIST YOUR ACTUATOR NUMBERS

TRANSPONDER	AURORA F5 143° W	SATCOM F1R 139°	GALAXY 1 134°	SATCOM F3R 131° W	TELSTAR 303 125°	WESTAR 5 122.5° W	SPACENET 1 120°	MORELOS 1 113.5° W	ANIK B 109° W	ANIK D1 104.5° W
1			Occasional	Nickelodeon – East	CMTV (Country Music Television	Occasional				Occasional
2			TNN (The Nashville Network)	PTL Satellite – The Inspirational Network	SelecTV	The University Network (The Unchannel)				TSN (The Spor Network)
3			WGN – Chicago	TBN (Trinity Broadcasting Network)			Occasional			
4			The Disney Channel – East	FNN (Financial News Network) /SCORE						Global TV/ Occasional
5			Showtime – East	Viewer's Choice(s)		Occasional International Transmissions	Occasional			Occasional
6	Occasional		SIN (Spanish International Network)	SPN (Satellite Program Network)						MuchMusic
7		Occasional	CNN (Cable News Network)	ESPN Blackout Network		CBS – Contract Channel/ Occasional	Occasional			CBC Occasion
8		NBC – East	CNN Headline News	CBN Cable Network	Occasional	PASS (Pro Am Sports System) Occasional				CHCH – Hamilton(s)
9		Occasional	ESPN	USA Network – West			Occasional			WDIV – Detroit(s)
10			TMC (The Movie Channel) – East	Showtime – West						WXYZ – Detroit(s)
11		Ocassional	CBN Cable Network	MTV: Music Television			HSN (Hospital Satellite Network)(s)			CBC – Nort Pacific
12		Ocassional	Request TV(s)	EWTN (Eternal Word TV)				XEW – Mexico City		
13		NASA – Contract Channel	C – SPAN	HBO (Home Box Office) – West (s)			Occasional			Occasional
14			TMC (The Movie Channel) – West	Open-net/ Occasional				XHITM – Mexico City		TCTV (Telemed Communicatio Television)(s)
15		Yonkers Horse Racing (s)/ Occasional	WOR – New York	VH1/Video Hits One		Occasional	ACTS (American Christian Television System)			CBC French – Eastern
16			Occasional	HTN (Home Theater Net.)/TLC (Learning Channel)		Occasional				Can. Parliame tary Network Occasional
17			PTL Satellite – The Inspirational Network	Lifetime						Occasional
18		Occasional	WTBS – Atlanta	NJT/ Reuter(s)	American Extasy	Occasional	Occasional			CITV – Edmonton(s)
19	Occasional		Cinemax – East (s)	Occasional						CBC North – Eastern
20	Learn/Alaska Television Network		GalaVision	BET (Black Entertainment Television)		Telebet Racing(s)/ Occasional		Occasional		CBC – Montr
21	Occasional		USA Network – East	The Weather Channel		Occasional	BTN (Baptist)(s)/ VMT (Vanderbilt)(s) /Occasional			WTVS – Detroit(s)
22		Occasional	The Discovery Channel/AVN (Alternate View Network)	MSN/Home Shopping Network/ Occasional	KTVT – Dallas	The Meadows Racing Network/ Occasional		XHDF – Mexico City		BCTV – Briti Columbia(s)
23			HBO (Home Box Office) – East (s)	Cinemax – West (s)			Occasional			WJBK – Detroit(s)
24	Alaska Satellite Television Project	Occasional	The Disney Channel – West	A&E (Arts & Entertainment)		FUN Channel(s)/ PPV—Pay Per View Channel(s)/o/v		XETV – San Diego /Tijuana		Can. Parliament Network/CB North – Easte

For more detailed information about the satellite services, see pages B12-B14.

For information about the audio/test subcarrier services, see pages B15-B16.

o/v = Occasional Video

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THE BIRDS AT A GLANCE

USE SPACE BELOW TO LIST YOUR ACTUATOR NUMBERS

WESTAR 4 9° W	TELSTAR 301 96° W	GALAXY 3 93.5° W	WESTAR 3 91° W	TELSTAR 302 86° W	SATCOM F4 84° W	WESTAR 2 79° W	GALAXY 2 74° W	SATCOM F2R 72° W	SPACE 69° W	
	Occasional			Occasional	HSN (Home Shopping Network)					
	CBS — Central	Occasional			Bravo/ C.O.M.B. Value Net.			Occasional		2
	ABC incoming feeds/ Occasional				Occasional					3
	ABC — Contract Channel/ Occasional	Occasional			Nickelodeon — West					4
	Occasional	Occasional	CNN Contract Channel		ABC — Affiliate Feeds/ Occasional					5
Atlantic Horse cing(s)/Word of th Network/o/v	Occasional	Occasional			BIZNET/MSG (Madison Square Garden)					6
	CBS Occasional Feeds	Occasional			NCN					7
		Senate Republican Conf. News Occasional			Occasional					8
	WOLD Communications	Occasional		Occasional	Sportsvision					9
Occasional	ABC — Central	Occasional		ABC — West	AMC (American Movie Classics)/ Occasional					10
TNA (Catholic elecommunica- ons Net.)(s)/o/v	Occasional	Occasional		Occasional	HSE (Home Sports Entertainment)					11
	ABC — Contract	Occasional			The Playboy Channel/ Heartbeat Network					12
	Occasional				NESN (New England Sports Network)			NASA Contract Channel		13
	Occasional			Occasional	Private Ticket/ HSE Affil./ Occasional					14
PBS (Public Broadcasting Service)	Occasional			Occasional	SNL (Success -N-Life Network)		Occasional			15
CNN Contract Channel/ Occasional	Occasional			CBS — West	The Silent Network		Occasional			16
PBS (Public Broadcasting Service)	Occasional			Occasional	Occasional		Occasional			17
Occasional	Occasional				Hit Video U.S.A.		Occasional		Occasional	18
Occasional	Occasional		Occasional	Occasional/ CBS Encryption Test Channel	WPIX — New York					19
Occasional	Occasional			CBS — Central	Prime Ticket/ Occasional			AFRTS (American Forces Radio and TV)	Occasional	20
PBS (Public Broadcasting Service)				Occasional	The Nostalgia Channel					21
				Occasional	HTS (Home Team Sports)/ Occasional					22
PBS (Public Broadcasting Service)	WOLD Communications		Brightstar feeds	Occasional	Occasional					23
Occasional	Occasional			Occasional	Nightline TV Network/ Occasional					24

VERTICAL HORIZONTAL

SAMPLE SPORTS HIGHLIGHTS

ALL TIMES EASTERN

AUTO RACING

SAT/1st
3:05 pm G1 18 Pre-race activities and the start of the Daytona 500.
3:30 am G1 9 1985 Stroh's Funny Car Showdown from Darlington, S.C.

SUN/2nd
3:00 pm G1 18 Conclusion and post-race activities of the Daytona 500.

MON/3rd
10:00 pm F4 22 Frontier 500: Racing On The Edge

TUE/4th
8:00 pm F4 9 Lee Majors and Gordon Johncock are among the drivers of cars, three-wheelers and motorcycles in this 500-mile race.

THU/13th
12:00 am G1 9 Parker 400 Off Road Racing from Parker, Arizona

WED/19th
9:00 am G1 9 1985 Stroh's Funny Car Showdown from Darlington, S.C. (R)

SUN/23rd
1:05 pm G1 18 Richmond 400
2:30 pm G1 9 Parker 400 Off Road Racing
3:00 am G1 9 from Parker, Arizona

TUE/25th
7:30 pm F4 22 Lee Majors and Gordon Johncock are among the drivers of cars, three-wheelers and motorcycles in this 500-mile race.

THU/27th
6:30 pm F4 22 Lee Majors and Gordon Johncock are among the drivers of cars, three-wheelers and motorcycles in this 500-mile race.

BASEBALL

NCAA

TUE/18th
10:00 pm F4 20 Pepperdine at UCLA (Taped)

American League

FRI/7th
8:00 pm F4 13 Boston Red Sox vs. California
11:30 pm F4 13 Angels

FRI/14th
8:00 pm F4 13 Boston Red Sox vs. Oakland
11:30 pm F4 13 A's

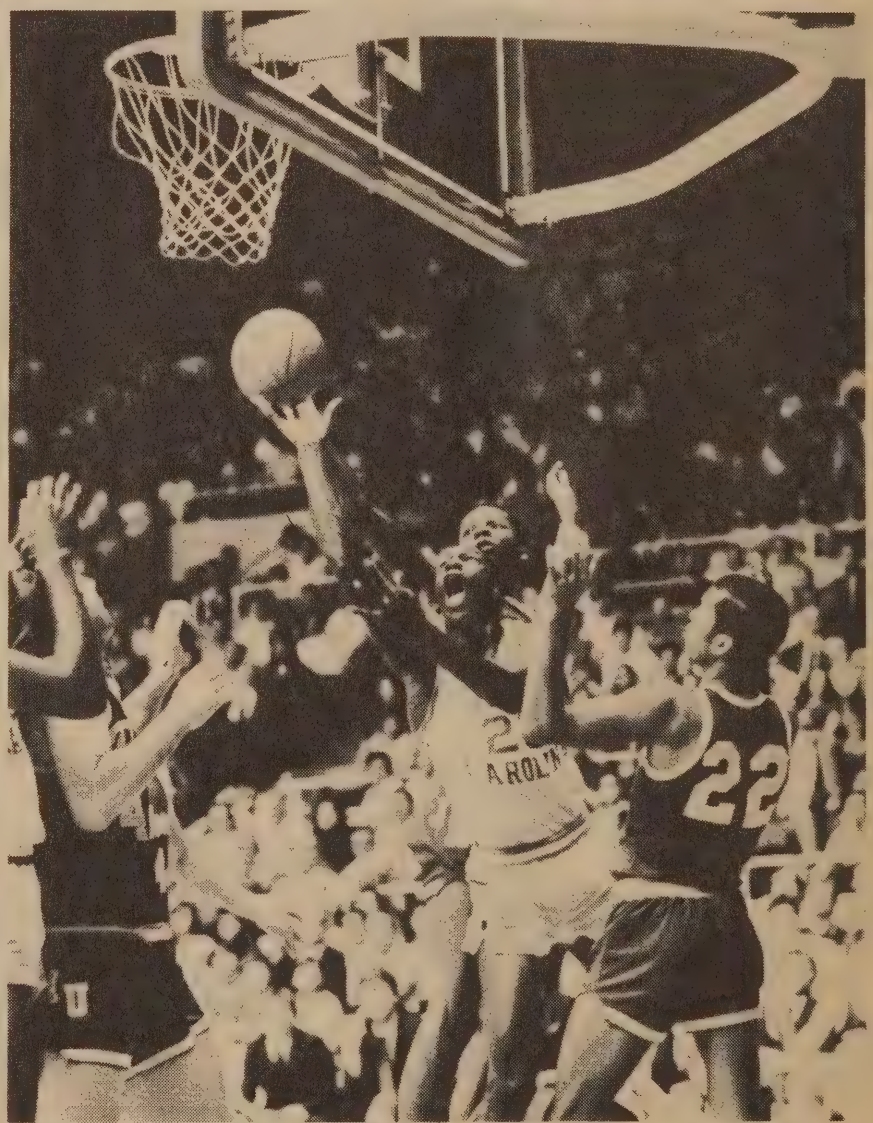
FRI/21st
8:00 pm F4 13 Boston Red Sox vs. Baltimore
11:30 pm F4 13 Orioles

FRI/28th
8:00 pm F4 13 Boston Red Sox vs. Toronto
11:30 pm F4 13 Blue Jays

BASKETBALL

NCAA

SAT/1st
12:00 pm F4 6 Florida State at South Carolina (Live)



1:00 pm F1 8 St. John's at Syracuse (Live)
2:00 pm G1 3 DePaul at Dayton (Live)
W5 8 Wisconsin at Michigan
F4 6 Arkansas at Southern Methodist (Live)
F4 9 College Basketball
3:00 pm F1 8 Regional coverage of Maryland at Villanova or UCLA at Louisville (Live)
4:00 pm G1 9 Clemson at North Carolina (Live)
F4 6 Louisiana State at Georgia
F4 11 (Live)
F4 9 College Basketball
F4 13 Ohio State at Iowa (Live)
5:00 pm F1 8 Arizona State at Washington State (Live)
7:00 pm G1 9 Tennessee at Florida (Live)
8:00 pm G1 3 Marquette at Notre Dame (Live)
F4 22 Seton Hall at Pittsburgh (Live)
8:30 pm F4 11 Houston at Texas (Live)
10:00 pm F4 13 LSU at Georgia (R)
10:30 pm F4 11 Houston at Texas (R)
11:30 pm F4 22 Virginia Commonwealth at South Florida (Taped)
12:00 am F4 13 Ohio State at Iowa (R)
12:30 am F4 11 Louisiana State at Georgia (R)

SUN/2nd
5:30 am G1 9 Tennessee at Florida
8:30 am G1 9 Clemson at North Carolina
9:00 am F4 13 LSU at Georgia (R)
11:00 am F4 13 Ohio State at Iowa (R)
12:00 pm T1 2 Louisiana State at Georgetown (Live)
1:00 pm F1 8 Kentucky at North Carolina State (Live)

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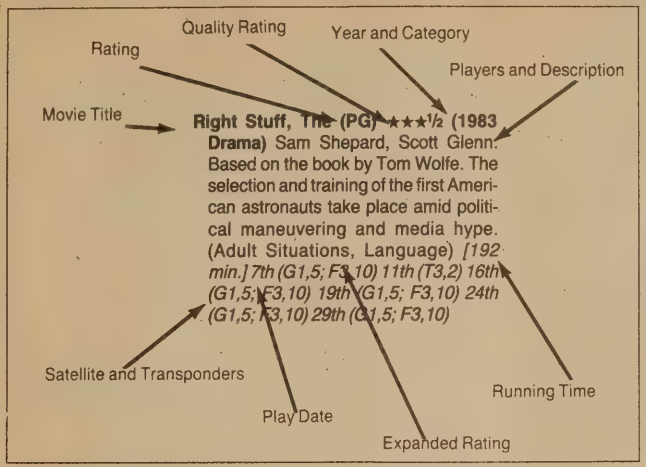
HOW TO USE THIS SECTION


Quality Rating
Year and Category
Rating
Players and Description
Movie Title
Right Stuff, The (PG) ★★★½ (1983 Drama) Sam Shepard, Scott Glenn. Based on the book by Tom Wolfe. The selection and training of the first American astronauts take place amid political maneuvering and media hype. (Adult Situations, Language) [192 min.] 7th (G1,5; F3,10) 11th (T3,2) 16th (G1,5; F3,10) 19th (G1,5; F3,10) 24th (G1,5; F3,10) 29th (G1,5; F3,10)
Satellite and Transponders
Running Time
Play Date
Expanded Rating

THIS MONTH'S ★★★★ MOVIES

Brief Encounter (1947 Romance)
The Conformist (1971 Drama)
The Empire Strikes Back (1980 Science-Fiction)
Father Of The Bride (1950 Comedy)
Genevieve (1954 Comedy)
Hans Christian Andersen (1952 Musical)
I Remember Mama (1948 Drama)
The Informer (1935 Drama)
The Inspector General (1949 Musical)
The Lady Vanishes (1938 Mystery)
The Night My Number Came Up (1956 Drama)
Notorious (1946 Suspense)
On The Waterfront (1954 Drama)
A Passage To India (1984 Drama)
Rear Window (1954 Suspense)
Rocky (1976 Drama)
The Searchers (1956 Western)
The Southerner (1945 Drama)
The Stunt Man (1980 Drama)
The Third Man (1949 Suspense)
Unfaithfully Yours (1948 Comedy)
Winterset (1936 Drama)
Wuthering Heights (1939 Romance)
You Can't Take It With You (1938 Comedy)

THIS MONTH'S ★★★½ MOVIES

Alice Adams (1935 Drama)
Alice In Wonderland (1951 Fantasy)
Apocalypse Now (1979 Drama)
Blithe Spirit (1945 Comedy)
Bringing Up Baby (1938 Comedy)
Camelot (1967 Musical)
A Clockwork Orange (1971 Science-Fiction)
Coal Miner's Daughter (1980 Biography)
Dead Of Night (1945 Horror)
The Dirty Dozen (1967 Drama)
Dodsworth (1936 Drama)
Easy Rider (1969 Drama)
The Fighter (1952 Adventure)
Fire Over England (1937 Drama)
The Front Page (1931 Comedy)
Gaslight (1944 Suspense)
The Goodbye Girl (1977 Comedy)
The Guns Of Navarone (1961 Adventure)
The Heart Is A Lonely Hunter (1968 Drama)
High Noon (1952 Western)
The Hill (1965 Drama)
Intermezzo (1939 Romance)
The Jackie Robinson Story (1950 Biography)
Journey Into Fear (1942 Suspense)
A Likely Story (1947 Comedy)
The Little Foxes (1941 Drama)
The Little Princess (1939 Drama)
Lust For Life (1956 Biography)
Made For Each Other (1939 Drama)
A Man's Castle (1933 Drama)
Manhattan (1979 Comedy)
Marked Woman (1937 Drama)
Mr. Blandings Builds His Dream House (1948 Comedy)
My Brilliant Career (1980 Drama)
My Favorite Year (1982 Comedy)
No Time For Sergeants (1958 Comedy)
Nothing Sacred (1937 Drama)
Oliver Twist (1948 Drama)
Our Daily Bread (1934 Drama)
Our Town (1940 Drama)
Portrait Of Jennie (1948 Romance)
Prizzi's Honor (1985 Comedy)
Rachel, Rachel (1968 Drama)
Rider On The Rain (1970 Suspense)
Rio Bravo (1959 Western)
A Run For Your Money (1949 Comedy)
Scarface (1932 Drama)
The Scarlet Pimpernel (1935 Adventure)
Scott Of The Antarctic (1948 Adventure)
The Senator Was Indiscreet (1947 Comedy)
The Shining (1980 Horror)
Slither (1973 Adventure)
So Proudly We Hail (1943 Drama)
Stage Door (1937 Drama)

★★★ ½ MOVIES CONT.

Stanley And Livingstone (1939 Adventure)
The Stranger (1946 Suspense)
Suddenly (1954 Suspense)
Summertime (1955 Romance)
Suspicion (1941 Susp...
Sybil (1976 Drama)
These Three (1936 Dram...
Top Hat (1935 Musical)
Under Two Flags (1936 Adve...

A

Abilene Town ★★½ (1946 Western) Randolph Scott, Rhonda Fleming. A lawman attempts to keep conflict between cattlemen and new homesteaders from becoming a full-scale war. *[105 min.] 17th (F3,12)*

The Abominable Snowman Of The Himalayas ★★ (1957 Horror) Peter Cushing, Forrest Tucker. An expedition encounters the legendary Yeti of the Himalayas. *[120 min.] 22nd (G1,21; F3,9)*

Abraham Lincoln ★★½ (1930 Biography) Walter Huston, Una Merkel. The poor boy from Illinois rises to lead the nation through its darkest moments of division. *[120 min.] 1st (F3,6)*

Aces And Eights ★½ (1936 Western) Tim McCoy, Luana Walters. Tim acts to halt a gambler's efforts to swindle ranchers. *[90 min.] 19th (G1,2)*

Aces Wild (1937 Western) Harry Carey, Sr. *[90 min.] 20th (G1,2)*

Act Of Violence ★★ (1948 Drama) Van Heflin, Janet Leigh. An American soldier turns informer while in a Nazi prison camp. *[120 min.] 16th (G1,15)*

The Actress ★★★ (1953 Drama) Spencer Tracy, Jean Simmons. A girl becomes an actress over the temperamental objections of her father. *[90 min.] 2nd (G1,(s)19; F3,(s)23) 6th (G1,(s)19; F3,(s)23) 13th (G1,(s)19; F3,(s)23) 24th (G1,(s)19; F3,(s)23)*

Ada ★★★ (1961 Drama) Susan Hayward, Dean Martin.A sheriff finds his political career threatened by his involvement with a young girl. *[108 min.] 3rd (G1,(s)19; F3,(s)23) 4th (F3,(s)23) 9th (G1,(s)19; F3,(s)23) 14th (G1,(s)19; F3,(s)23) 19th (G1,(s)19; F3,(s)23) 27th (G1,(s)19; F3,(s)23)*

Adios Amigo ★★ (1976 Comedy) Richard Pryor, Fred Williamson. In the old West, a con man and his victim go from one mishap to another. *[120 min.] 16th (G1,21; F3,9)*

The Adventures Of Buckaroo Banzai: Across The 8th Dimension (PG) ★★½ (1984 Science-Fiction) Peter Weller, John Lithgow. A band of adventurers battle enemy aliens who are accidentally released from the 8th dimension as a result of a researcher's experiments. (Language, Adult Themes) *[103 min.] 2nd (G1,(s)23; F3,(s)13) 3rd (F3,(s)13) 6th (G1,(s)23; F3,(s)13) 7th (F3,(s)13) 12th (G1,(s)23; F3,(s)13) 15th (G1,(s)23; F3,(s)13) 18th (G1,(s)23; F3,(s)13) 21st (G1,(s)23; F3,(s)13)*

Adventures Of Gallant Bess ★★½ (1948 Drama) Cameron Mitchell, Audrey Long. A wild mare is captured and entered in a rodeo contest. *[73 min.] 8th (F4,21) 18th (F4,21)*

Adventures Of Marco Polo ★★½ (1938 Drama) Gary Cooper, Basil Rathbone. The travels of 13th-century explorer Marco Polo bring him to China. *[100 min.] 10th (F4,10) 11th (F4,10) 17th (F4,10) 18th (F4,10)*

The Adventures Of Rick Quick, Private Dick ★ (1984 Adult) R. Bolla, Bunny Bleu. A Hollywood screenwriter has one week to create an original screenplay. *[75 min.] 3rd (T3,2) 8th (T3,2) 13th (T3,2)*

Africa Screams ★½ (1949 Comedy) Bud Abbott, Lou Costello. The boys are lured to the jungle by the prospect of discovering diamonds. *[79 min.] 4th (F4,21) 7th (F4,21) 8th (F4,21) 11th (F4,21) 12th (F4,21) 13th (F4,21)*

Africa Speaks ★★ (1930 Documentary) Early sound film record of an expedition throughout Africa, led by cameraman Paul Hoefler, including footage of wild animals and tribal hunting parties. *[90 min.] 16th (F3,6)*

After The Fall Of New York (R) ★★ (1984 Science-Fiction) Michael Sopkiw, Valentine Monnier. In the year 2019, two decades after a devastating nuclear war, a man is dispatched to New York to locate the earth's only remaining fertile woman to revitalize the human race. *[95 min.] 12th (G1,5; F3,10) 18th (G1,5; T3,2) 19th (F3,10) 22nd (G1,5; F3,10) 27th (G1,5) 28th (F3,10)*

Against All Odds (R) ★★★ (1984 Drama) Rachel Ward, Jeff Bridges. A fading professional football player falls in love with the girlfriend of a small-time hood and becomes involved with shady, high-stakes real estate dealings. (Adult Themes, Nudity, Violence, Language) *[128 min.] 11th (T3,2)*

Agnes Of God (PG-13) ★★★ (1985 Drama) Jane Fonda, Anne Bancroft. Investigating a newborn infant's death at a convent, a psychiatrist's search for a rational explanation is clouded by a young nun's faith and mysticism. *[97 min.] 6th (G1,(s)12) 7th (G1,(s)12) 8th (G1,(s)12) 9th (G1,(s)12) 10th (G1,(s)12) 11th (G1,(s)12) 12th (G1,(s)12)*

Alaska Highway ★½ (1943 Drama) Richard Arlen, Jean Parker. Builders of the Alcan Highway face nature's obstacles. *[95 min.] 18th (F3,6)*

Alexa (1982 Drama) Isla Blair, Christopher Blake. A woman becomes attracted to the husband of a friend she is trying to divert from suicide. *[120 min.] 28th (F3,24)*

Algiers ★★½ (1938 Romance) Charles Boyer, Hedy Lamarr. An international jewel thief takes refuge in the exotic Casbah. *[95 min.] 1st (F4,21) 4th (F4,21) 9th (F4,21) 12th (F4,21) 14th (F4,21) 19th (F4,21) 22nd (F4,21)*

WEEK 1

SAT/1st

MOVIES

5:00E 4:00C 3:00M 2:00P

G1 21 Medium Cool
F4 4 Tulsa

5:05E 4:05C 3:05M 2:05P

F3 10 1990: The Bronx Warriors

5:10E 4:10C 3:10M 2:10P

G1 10 Kelly

5:30E 4:30C 3:30M 2:30P

F4 10 Lucky Devils
21 Death Valley

5:35E 4:35C 3:35M 2:35P

G1 14 Apocalypse Now

5:50E 4:50C 3:50M 2:50P

F3 23 (s) Lovelines

6:00E 5:00C 4:00M 3:00P

G1 19 (s) Benji
23 (s) The Mysterious Stranger
F3 6 Abraham Lincoln
T3 2 Finian's Rainbow

6:35E 5:35C 4:35M 3:35P

F3 10 Bells

6:55E 5:55C 4:55M 3:55P

F3 13 (s) The Lonely Guy

7:00E 6:00C 5:00M 4:00P

G1 10 Sahara
F4 21 Murder

7:30E 6:30C 5:30M 4:30P

G1 19 (s) Country
23 (s) The Empire Strikes Back
F3 23 (s) Ten From Your Show Of Shows

8:00E 7:00C 6:00M 5:00P

G1 5 Never So Few
F3 9 Medium Cool
W4 21 Riders Of The Whistling Pines

8:10E 7:10C 6:10M 5:10P

G1 14 Kelly

9:00E 8:00C 7:00M 6:00P

G1 10 The Empire Strikes Back
12 (s) Return To Oz
F3 13 (s) The Mysterious Stranger
23 (s) Benji
T3 2 Wuthering Heights
W4 21 Vigilantes Of Boomtown
F4 21 The Beachcomber

9:30E 8:30C 7:30M 6:30P

G1 19 (s) The Muppets Take Manhattan

10:00E 9:00C 8:00M 7:00P

G1 14 Sahara

10:05E 9:05C 8:05M 7:05P

G1 5 Until They Sail

10:30E 9:30C 8:30M 7:30P

G1 4 Dusty
11 Count The Clues
F3 13 (s) The Empire Strikes Back
23 (s) Country

10:35E 9:35C 8:35M 7:35P

G1 18 Away All Boats

11:00E 10:00C 9:00M 8:00P

G1 2 Roll On Texas Moon
12 (s) Return To Oz
23 (s) The Champ
F3 10 Never So Few
T3 2 The Little Prince
F4 21 The Flying Deuces

11:05E 10:05C 9:05M 8:05P

G1 19 (s) Man In The Wilderness

11:30E 10:30C 9:30M 8:30P

G1 10 1918

12:00E 11:00C 10:00M 9:00P

G1 5 The Flamingo Kid
14 The Empire Strikes Back
21 Frankenstein And The Monster From Hell
F3 24 Sweet William

12:30E 11:30C 10:30M 9:30P

G1 3 The World Of Abbott And Costello
20 La Hermana Dinamita
F3 23 (s) The Muppets Take Manhattan
T3 2 Finian's Rainbow

1:00E 12:00C 11:00M 10:00P

G1 4 The Lady Vanishes
10 The Breakfast Club
12 (s) Gremlins
15 Seven
18 Lone Star
19 (s) Camelot
23 (s) Dreamscape
F4 10 Follow Me Quietly
21 Algiers

1:05E 12:05C 11:05M 10:05P

F3 10 Until They Sail

1:30E 12:30C 11:30M 10:30P

G1 24 Dusty

2:00E 1:00C 12:00M 11:00P

G1 5 Nate And Hayes
21 Psychophobia
F3 13 (s) The Champ
F4 10 You Can't Take It With You

2:05E 1:05C 12:05M 11:05P

F3 23 (s) Man In The Wilderness

2:30E 1:30C 12:30M 11:30P

G1 14 1918

3:00E 2:00C 1:00M 12:00P

G1 10 The Learning Tree
12 (s) Gremlins
15 Warriors Of The Wasteland
20 Santo Y Blue Demon Contra Los Monstruos
F3 9 Frankenstein And The Monster From Hell
10 The Flamingo Kid
T3 2 Rocky
F4 21 Public Cowboy, No. 1

4:00E 3:00C 2:00M 1:00P

G1 6 El Hombre Que Vino Del Odio
14 The Breakfast Club
19 (s) The Karate Kid
23 (s) The Dresser
24 The Lady Vanishes
F3 13 (s) Dreamscape
16 Untamed
23 (s) Camelot

4:30E 3:30C 2:30M 1:30P

F4 10 These Three
21 Dead Men Walk

5:00E 4:00C 3:00M 2:00P

G1 2 Roll On Texas Moon
4 The Apple Dumpling Gang
5 Running Brave
10 Streets Of Fire
12 (s) Return To Oz
F3 9 Psychophobia
10 Nate And Hayes
T3 2 Splash
F4 2 Carmen

5:30E 4:30C 3:30M 2:30P

G1 20 Aquellos Tiempos Del Cuple

6:00E 5:00C 4:00M 3:00P

G1 14 The Learning Tree
23 (s) The Main Event
F4 10 The Nitwits

6:30E 5:30C 4:30M 3:30P

G1 19 (s) The Man Who Saw Tomorrow

7:00E 6:00C 5:00M 4:00P

G1 4 The Apple Dumpling Gang Rides Again
10 The Empire Strikes Back
12 (s) Return To Oz
F3 13 (s) The Dresser
23 (s) The Karate Kid
T3 2 The Breakfast Club
F4 21 Brothers Of The West

7:30E 6:30C 5:30M 4:30P

G1 20 Eres Adorable
F4 10 Follow Me Quietly

8:00E 7:00C 6:00M 5:00P

G1 5 Mischief
11 Tension At Table Rock
14 Streets Of Fire
19 (s) Father Of The Bride
23 (s) The Empire Strikes Back
24 The Apple Dumpling Gang
F3 10 Running Brave
16 Rocky
24 Sleeping Tiger
F4 2 Blood Simple

8:30E 7:30C 6:30M 5:30P

F4 10 You Can't Take It With You

9:00E 8:00C 7:00M 6:00P

G1 4 My Favorite Year
6 Cinco Almohadas Para Una Noche
12 (s) Gremlins
20 Sucedio En Mexico
F3 1 Stage Door Canteen
13 (s) The Main Event
T3 2 Choose Me
T1 2 Kung Fu: The Movie
F4 21 The Son Of Monte Cristo

9:05E 8:05C 7:05M 6:05P

G1 10 The Breakfast Club

9:30E 8:30C 7:30M 6:30P

F3 23 (s) The Man Who Saw Tomorrow
W5 24 (s) Wet Rainbow

10:00E 9:00C 8:00M 7:00P

G1 5 The Flamingo Kid
14 The Empire Strikes Back
24 The Apple Dumpling Gang Rides Again
F3 16 Unfaithfully Yours
24 Repeat Performance

10:05E 9:05C 8:05M 7:05P

G1 19 (s) The Breakfast Club

11:00E 10:00C 9:00M 8:00P

G1 4 Blithe Spirit
10 Neighbors
12 (s) Gremlins
21 Medium Cool
F3 10 Mischief
13 (s) The Empire Strikes Back
23 (s) Father Of The Bride
T3 2 One Way At A Time
18 Sex Drive
F4 10 These Three
21 Catherine The Great

11:25E 10:25C 9:25M 8:25P

W5 24 (s) A Touch Of Sex

11:30E 10:30C 9:30M 8:30P

G1 15 Screamers
23 (s) The Champ
F4 12 Let's Get Physical

11:45E 10:45C 9:45M 8:45P

G1 19 (s) Tightrope

12:00E 11:00C 10:00M 9:00P

G1 5 Island Of 1000 Delights
24 My Favorite Year
F3 16 Rocky
24 Sleeping Tiger
T2 16 Kung Fu: The Movie
F4 2 Le Dernier Combat
4 Stage Door Canteen

12:05E 11:05C 10:05M 9:05P

G1 14 The Breakfast Club

12:30E 11:30C 10:30M 9:30P

G1 2 Roll On Texas Moon
T3 2 Doing It
18 Sex World
F4 10 The Nitwits

12:45E 11:45C 10:45M 9:45P

G1 10 Hot Dog... The Movie

12:55E 11:55C 10:55M 9:55P

W5 24 (s) Bordello

1:00E 12:00C 11:00M 10:00P

G1 12 (s) Return To Oz
F3 10 The Flamingo Kid
F4 21 The Scarlet Pimpernel

1:05E 12:05C 11:05M 10:05P

F3 23 (s) The Breakfast Club

1:20E 12:20C 11:20M 10:20P

G1 5 Nate And Hayes

1:30E 12:30C 11:30M 10:30P

G1 15 Night Gallery
20 El Jardin Secreto

1:40E 12:40C 11:40M 10:40P

G1 23 (s) The Big Score

1:45E 12:45C 11:45M 10:45P

G1 19 (s) Hardbodies

2:00E 1:00C 12:00M 11:00P

G1 14 Neighbors
24 Blithe Spirit
F3 1 Stage Door Canteen
9 Medium Cool
16 The Trouble With Harry
24 Repeat Performance
T3 2 Crimes Of Passion
18 Virginia
F4 2 Blood Simple
10 Follow Me Quietly

2:25E 1:25C 12:25M 11:25P

W5 24 (s) New York City Woman

2:30E 1:30C 12:30M 11:30P

G1 10 The Clairvoyant
F3 6 The Big Cat
13 (s) The Champ

2:45E 1:45C 12:45M 11:45P

F3 23 (s) Tightrope

3:00E 2:00C 1:00M 12:00P

G1 12 (s) Return To Oz
21 Medium Cool
F3 10 Island Of 1000 Delights
F4 10 You Can't Take It With You
21 Brothers Of The West

3:05E 2:05C 1:05M 12:05P

G1 5 Mischief

3:10E 2:10C 1:10M 12:10P

G1 23 (s) Videodrome

3:15E 2:15C 1:15M 12:15P

G1 19 (s) Gabriela
20 La Hermana Dinamita

3:30E 2:30C 1:30M 12:30P

G1 3 Cattle Empire
15 Unknown World

3:45E 2:45C 1:45M 12:45P

G1 14 Hot Dog... The Movie
T3 2 Merry Christmas, Mr. Lawrence

3:50E 2:50C 1:50M 12:50P

W5 24 (s) A Touch Of Sex

4:00E 3:00C 2:00M 1:00P

F3 6 Slightly Honorable
F4 2 Le Dernier Combat

4:10E 3:10C 2:10M 1:10P

G1 10 Streets Of Fire

4:20E 3:20C 2:20M 1:20P

F3 10 Nate And Hayes

4:30E 3:30C 2:30M 1:30P

F4 12 Let's Get Physical
21 The Secret Agent

4:40E 3:40C 2:40M 1:40P

G1 23 (s) Reuben, Reuben
F3 13 (s) The Big Score

4:45E 3:45C 2:45M 1:45P

F3 23 (s) Hardbodies

SPECIALS

5:15E 4:15C 3:15M 2:15P

G1 5 Faerie Tale Theatre

6:30E 5:30C 4:30M 3:30P

G1 5 Joshua's Confusion

8:15E 7:15C 6:15M 5:15P

F3 10 Faerie Tale Theatre

9:30E 8:30C 7:30M 6:30P

F3 10 Joshua's Confusion

12:00E 11:00C 10:00M 9:00P

T1 10 Weekend Special

2:00E 1:00C 12:00M 11:00P

F3 1 Snowbound

3:00E 2:00C 1:00M 12:00P

F3 1 Mr. Gimme

3:05E 2:05C 1:05M 12:05P

G1 18 24 Hours Of Daytona

3:30E 2:30C 1:30M 12:30P

F3 1 Just Another Stupid Kid

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4:00E 3:00C 2:00M 1:00P

G1 (4) This Is Your Life Donald Duck
(5) Waylon Jennings: A Cowboy In London

5:00E 4:00C 3:00M 2:00P

F4 (4) Snowbound

6:00E 5:00C 4:00M 3:00P

F3 (16) For The Use Of The Hall
F4 (4) Mr. Gimme

6:30E 5:30C 4:30M 3:30P

F4 (4) Just Another Stupid Kid

7:00E 6:00C 5:00M 4:00P

G1 (24) This Is Your Life Donald Duck
F3 (10) Waylon Jennings: A Cowboy In London

8:05E 7:05C 6:05M 5:05P

G1 (18) Centennial

9:30E 8:30C 7:30M 6:30P

G1 (19) (s) Manhattan Transfer

10:00E 9:00C 8:00M 7:00P

F4 (2) Actor

10:30E 9:30C 8:30M 7:30P

G1 (20) Musica Con Trigo Limpio

12:30E 11:30C 10:30M 9:30P

F3 (23) (s) Manhattan Transfer

4:50E 3:50C 2:50M 1:50P

G1 (5) Waylon Jennings: A Cowboy In London

HOURLY

MORNING

5:00E 4:00C 3:00M 2:00P

G1 (7) Crossfire
(15) CNN News
(17) Eagle's Nest
(21) **Medium Cool** ★★★ (1969) [120 min]
F3 (1) Route 66
(3) Saturday Alive
(4) Score: Final Score
(17) Investment Advisory
(20) Video Vibrations
T3 (22) **Movie**
F4 (4) **Tulsa** ★★★ (1949) [120 min]
(7) Soul Set Free
(19) U.S. Farm Report

5:05E 4:05C 3:05M 2:05P

F3 (10) **1990: The Bronx Warriors** ★½ (1983) [84 min]

5:10E 4:10C 3:10M 2:10P

G1 (10) **Kelly** ★★ (1981) [94 min]

5:15E 4:15C 3:15M 2:15P

G1 (5) Faerie Tale Theatre See Specials. [60 min]

5:30E 4:30C 3:30M 2:30P

G1 (6) Los Anos Pasan
(7) Showbiz Today
(9) College Basketball Game Of The Week
(15) CNN News
(17) Heritage U.S.A. Today
(23) (s) 1st & Ten The championship title hangs in the balance as the California Bulls play the big game of the season.
S1 (15) Life Today
F4 (10) **Lucky Devils** ★★ (1932) [64 min]
(19) Independent News
(21) **Death Valley** ★½ (1946)

5:35E 4:35C 3:35M 2:35P

G1 (14) **Apocalypse Now** ★★★½ (1979) [150 min]

5:50E 4:50C 3:50M 2:50P

G1 (3) To Be Announced
(18) Night Tracks
F3 (23) **(s) Lovelines** ★ (1984) [93 min]

6:00E 5:00C 4:00M 3:00P

G1 (2) A Millionaire's Secret To Success
(4) Donald Duck Presents
(7) News - Weather - Sports
(11) Take Time
(15) David Toma's Teen Talk
(17) Zola Levitt
(18) News
(19) **(s) Benji** ★★★ (1974) [100 min]
(23) **(s) The Mysterious Stranger** ★★½ (1982) [90 min]
F3 (1) Dangermouse
(3) Sonny And Julie Arguinzoni
(4) Digital Service: Sports Plus Business Data
(6) **Abraham Lincoln** ★★½ (1930) [120 min]
(9) Night Flight
(16) Money Puzzle
(17) Investment Advisory
(22) Sunrise Shopping At A Savings
T3 (2) **Finian's Rainbow** ★★★ (1968) [145 min]
T1 (23) Let's Make A Deal
F4 (7) This Is The Life
(12) Heartbeat
(19) It's Your Business
(21) Judge Roy Bean

6:30E 5:30C 4:30M 3:30P

G1 (4) Mousercise
(5) Joshua's Confusion See Specials.
(6) Agencia S.O.S.S.A.
(7) Investigative Report
(13) Today In Washington
(15) Face-Off
(17) Shape Up
F3 (1) NICK Rocks: Video To Go
(3) Laverne Tripp Family
(16) Money Puzzle
S1 (15) Prime Timers
F4 (7) Christian Lifestyles Magazine
(12) Heartbeat
(19) Josie And The Pussycats

6:35E 5:35C 4:35M 3:35P

G1 (18) Between The Lines
F3 (10) **Bells** ★★ (1980) [79 min]

6:55E 5:55C 4:55M 3:55P

F3 (13) **(s) The Lonely Guy** ★★½ (1984) [90 min]

7:00E 6:00C 5:00M 4:00P

G1 (2) Get Rich With Real Estate
(3) Cartoons
(4) Contraption
(5) Robin Hood Robin (Jason Connery) and his Merry Men help Lord Agrivaine protect King Arthur's Round Table hidden in his castle. Cyril Cusack costars. [60 min]
(6) Los Polivoces
(7) News - Weather - Sports
(10) **Sahara** ★½ (1984) [104 min]
(11) Superbook
(15) New Jersey People
(17) Jim Bakker
(21) Jimmy Swaggart
F3 (1) Powerhouse
(3) Arthelene Rippy
(16) Earth, Sea And Sky
(17) Investment Advisory
T3 (22) Comedy Short
S1 (15) La Vida Hoy
T1 (9) Wheel Of Fortune
F4 (4) Turkey Television
(7) Toddler's Friends
(12) Heartbeat
(19) Tom And Jerry
(21) **Murder** ★★★ (1930) [108 min]

7:05E 6:05C 5:05M 4:05P

G1 (18) Saturday Funnies

7:15E 6:15C 5:15M 4:15P

G1 (3) Buyers Forum
T3 (22) News In Review

7:30E 6:30C 5:30M 4:30P

G1 (3) Issues Unlimited
(4) Welcome To Pooh Corner
(6) Hogar, Dulce Hogar
(7) Sports Review
(9) SportsCenter
(11) Catch The Spirit
(15) News
(19) **(s) Country** ★★★ (1984) [109 min]
(23) **(s) The Empire Strikes Back** ★★★★ (1980) [124 min]
F3 (1) Kids Writes
(3) Art Linkletter
(16) Earth, Sea And Sky
(23) **(s) Ten From Your Show Of Shows** ★★½ (1973) [92 min]
F4 (7) Heritage Singers
(12) Heartbeat
(19) Voltron, Defender Of The Universe

7:35E 6:35C 5:35M 4:35P

G1 (18) Get Smart

7:45E 6:45C 5:45M 4:45P

T3 (22) Los Tiempos

8:00E 7:00C 6:00M 5:00P

F1 (8) Snorks
G1 (2) It's Time For You
(3) U.S. Farm Report
(4) Good Morning Mickey!
(5) **Never So Few** ★★★ (1960) [124 min]
(6) Follow Me
(7) News - Weather - Sports
(9) Skating Seiko Skate America International Men's Competition from St. Paul, Minn. (R)
(11) Robert Schuller
(15) Straight Talk
(17) Marvin Gorman
(21) Alive & Well
F3 (1) Out Of Control
(3) Westbrook Hospital
(6) Insight
(9) **Medium Cool** ★★★ (1969) [120 min]
(16) Mechanical Universe
(17) Investment Advisory
(20) Video Vibrations
(24) MacKenzie
T3 (22) Extension
S1 (15) Profiles
W4 (21) **Riders Of The Whistling Pines** ★★ (1949) [60 min]
T1 (2) Berenstain Bears
(10) Scooby's Mystery Funhouse
F4 (4) Route 66
(7) Prophecy In The News
(12) Kids
(19) Little Rascals

8:05E 7:05C 6:05M 5:05P

G1 (18) Cimarron Strip

8:10E 7:10C 6:10M 5:10P

G1 (14) **Kelly** ★★ (1981) [94 min]

8:15E 7:15C 6:15M 5:15P

F3 (10) Faerie Tale Theatre See Specials. [60 min]

8:30E 7:30C 6:30M 5:30P

F1 (8) Adventures Of The Gummi Bears (CC)
G1 (3) Wild Kingdom
(4) Dumbo's Circus
(7) Big Story
(9) World Class Women (R)
F3 (1) Belle And Sebastian
(3) Land Of The Bible
(6) French Flavour
(13) (s) 1st & Ten The championship title hangs in the balance as the California Bulls play the big game of the season.
(16) Mechanical Universe
T3 (22) To Be Announced
S1 (15) Imagine That
T1 (2) Wuzzles (CC)
(10) Bugs Bunny Looney Tunes Comedy Hour
F4 (7) Christopher Closeup
(19) Grizzly Adams

8:40E 7:40C 6:40M 5:40P

AD1 (20) Good Morning

9:00E 8:00C 7:00M 6:00P

F1 (8) Smurfs
G1 (2) Great Drivers Featured: Phil Hill.
(3) Garner Ted Armstrong
(4) Adventures Of Ozzie & Harriet
(6) Nuestra Familia
(7) News Update - Healthweek
(9) World Class Women (R)
(10) **The Empire Strikes Back** ★★★★ (1980) [124 min]
(11) James Robison
(12) **(s) Return To Oz** ★★½ (1985) [110 min]
(13) Viewer Call-In
(15) Millionaire Maker
(17) Breakfast Club
(21) Second Cash Flo Expo
(24) Donald Duck Presents
F3 (1) Star Trek
(3) Sermons From Science
(4) Digital Service: Sports Plus Business Data
(6) Crafts 'N' Things
(13) **(s) The Mysterious Stranger** ★★½ (1982) [90 min]
(16) Sew What's New
(17) Investment Advisory
(22) Shop-At-Home And Save
(23) **(s) Benji** ★★★ (1974) [100 min]
(24) Treachery Game
T3 (2) **Wuthering Heights** ★★★★ (1939) [103 min]
S1 (15) Moody Science
AD1 (20) Newfoundland Outdoors
W4 (17) Business File (R)
(21) **Vigilantes Of Boomtown** ★★ (1947) [60 min]
T1 (2) Jim Henson's Muppets, Babies & Monsters
(9) Entertainment This Week
F4 (4) Dangermouse
(7) Frederick K. Price
(12) Kids

9:30E 8:30C 7:30M 6:30P

G1 (2) Amer... Cavalcade
(3) Minority Bu...
(4) Donald Duck ...
(6) Agencia S.O.S.S...
(7) Moneyweek
(9) Down The Stretch
(11) Zola Levitt
(19) **(s) The Muppets Take Manhattan** ★★★ (1984) [94 min]
(24) Mousercise
F3 (1) Mr. Wizard's World
(3) Secret Place
(6) Sewing With Nancy
(10) Joshua's Confusion See Specials.
(16) Microwaves Are For Cooking
T3 (22) Point Of View
S1 (15) Mickey Rooney
AD1 (20) Body Talk
W4 (17) Business File (R)
T1 (10) Ewoks And Droids Adventure Hour
F4 (4) NICK Rocks: Video To Go
(16) Festival
(19) Munsters
F2 (22) CNN Headline News

9:35E 8:35C 7:35M 6:35P

G1 (18) Wrestling

10:00E 9:00C 8:00M 7:00P

G1 (3) Charlando
(4) You And Me, Kid
(6) Ulises
(7) News Update - Showbiz Week
(9) Roller Derby (R)
(11) Cisco Kid
(13) Congressional Hearings, Public Policy Address, Press Conference
(14) **Sahara** ★½ (1984) [104 min]
(15) BJ - Lobo
(17) Jimmy Swaggart
(21) Japan Today
(23) (s) Inside The NFL Hosts: Len Dawson, Nick Buoniconti. [60 min]
(24) Contraption
F3 (1) Lassie
(3) Toddler's Friends
(6) Morey's Markdown Market
(9) Jimmy Swaggart
(10) Robin Hood Robin (Jason Connery) and his Merry Men help Lord Agrivaine protect King Arthur's Round Table hidden in his castle. Cyril Cusack costars. [60 min]
(16) Weekend Gardener
(17) Richard Simmons
(24) James At 16
T3 (22) What About People
S1 (15) Bill Cosby
AD1 (20) Skipper & Company
W4 (17) Mechanical Universe (R) (CC)
T1 (2) Hulk Hogan's Rock 'N' Wrestling
F4 (4) Powerhouse
(7) Crusading For Christ
(12) Heartbeat
(16) Hear Dog - Dog Training Program
(19) Puttin' On The Hits
F2 (22) PBS Washington Week In Review

10:05E 9:05C 8:05M 7:05P

SAMPLE

SAMPLE PRIME TIME HIGHLIGHTS

Eastern	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	1:00	1:30
Central	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30
Mountain	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
Pacific	5:00	5:30	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30
NBC--E F1 8	Gimme A Break!	Facts Of Life (CC)	Golden Girls	227	Hunter			David Letterman Special				
TNN G1 2	Grand Ole Opry Live	Church St. Station	American Sports Cavalcade			Countryclips		Fire On Mountain	Grand Ole Opry Live	**Roll On Texas Moon** ★★ (1946) [90 min]		
WGN G1 3	College Basketball				News		Twilight Zone	Lifestyles Of The Rich And Famous		Police Story		
DISN--E G1 4	**Movie**	Mouseter-piece	**My Favorite Year** ★★★½ (1982) [95 min]			DTV (10:40)	**Blithe Spirit** ★★★½ (1945) [94 min]			Lonesome Ghosts (12:40)		
SHOW--E G1 5	**Mischief** ★★ (1984) [97 min]				**The Flamingo Kid** ★★½ (1984) [100 min]				**Island Of 1000 Delights** ★★ (1979) [75 min]			
ESPN G1 9	College Basketball (7:00)		Bodybuilding				Sportscenter		Wrestling (R)			
TMC--E G1 10	**The Empire Strikes Back** ★★★★ (7:00)		**The Breakfast Club** ★★★ (1984) [97 min] (9:05)				**Neighbors** ★★½ (1981) [94 min]			**Hot Dog... The Movie** ★★ (1984) [96 min] (12:45)		
CBN G1 11	**Tension At Table Rock** ★★ (1956) [120 min]				World's Best Kept Secret		Success 'N' Life	John Ankerberg	Take Time		Jimmy Swaggart	
TMC--W G1 14	**Streets Of Fire** ★★½ (1984) [94 min]				**The Empire Strikes Back** ★★★★ (1980) [124 min]				**The Breakfast Club** ★★★ (1984) [97 min] (12:05)			
WOR G1 15	NHL Hockey (7:30)				Wrestling		Horse Rac-ing	**Screamers** ★ (1980) [120 min]				
WTBS G1 18	Centennial (8:05)				Portrait Of America: Washington State (10:10)		Night Tracks: Chartbusters (11:15)			Night Tracks (12:20)		
CINE--E G1 19 (s)	**Father Of The Bride** ★★★★ (1950) [93 min]			Manhattan Transfer	**The Breakfast Club** ★★★ (1984) [97 min] (10:05)			**Tightrope** ★★½ (1984) [114 min] (11:45)				
HBO--E G1 23 (s)	**The Empire Strikes Back** ★★★★ (1980) [124 min]				Not Necessarily News (10:15)		The Hitch-hiker	**The Champ** ★★½ (1979) [122 min]				
DISN--W G1 24	**The Apple Dumpling Gang** ★★ (1975) [100 min]			Johnny Appleseed	**The Apple Dumpling Gang Rides Again** ★★ (1979) [88 min]			Mouseter-piece	**My Favorite Year** ★★★½ (1982) [95 min]			
NICK F3 1	My Three Sons	Donna Reed Show	**Stage Door Canteen** ★★★ (1943) [120 min]				Turkey Television		Route 66		My Three Sons	
USA F3 9	Tennis (7:30)						Cartoons		Check It Out!	He And She	Dick Cavett	
SHOW--W F3 10	**Running Brave** ★★½ (1983) [105 min]				Robin Hood		**Mischief** ★★ (1984) [97 min]				**The Flamingo Kid** ★★½ (1984) [100 min]	
HBO--W F3 13 (s)	**The Dresser** ★★★ (1983) [118 min] (7:00)		**The Main Event** ★★★ (1979) [112 min]				**The Empire Strikes Back** ★★★★ (1980) [124 min]				Not Necessarily News (1:15)	
HTN F3 16	**Rocky** ★★★★ (1976) [120 min]				**Unfaithfully Yours** ★★½ (1984) [96 min]			Hills Are Alive	**Rocky** ★★★★ (1976) [120 min]			
CINE--W F3 23 (s)	**The Karate Kid** ★★½ (1984) [126 min] (7:00)			**The Man Who Saw Tomorrow** ★★ (1981) [86 min]			**Father Of The Bride** ★★★★ (1950) [93 min]			Manhattan Transfer	**The Breakfast Club** ★★★ (1984) (1:05)	
SELECTV T3 2	**The Breakfast Club** ★★★ (1984) (7:00)		**Choose Me** ★★★ (1984) [106 min]				**One Way At A Time** ★ (1979) [90 min]			**Doing It** ★ (1982) [80 min]		
KTVT T3 22	Star Search		Hee Haw		Gunsmoke		Wrestling				Texas Hit Revue	
PBS--E W4 15	Austin City Limits				Wild Amer-ica (CC)	Newton's Apple	Austin City Limits					
CBS--E T1 2	Airwolf		**Kung Fu: The Movie** (1985)									
ABC--E T1 10	Redd Foxx Show (CC)	Benson	Lady Blue (CC)		Love Boat		ABC News (CC)					
BRAVO F4 4	**Blood Simple** ★★★ (1984) [96 min]				Actor				**Le Dernier Combat** ★★★ (1983) [90 min]			
AMC F4 10	**Follow Me Quietly**	**You Can't Take It With You** ★★★★ (1938) [127 min]					**These Three** ★★★½ (1936) [90 min]			**The Nitwits** ★★½ (1935) [81 min]		
PLAYBOY F4 12	Women On Sex	1986 Great American Strip-Off		Electric Blue: Cruisin' Beverly Hills		February Video Mag.		**Let's Get Physical** ★½ (1983) [90 min]				
WPIX F4 19	Movie					Indepen-dent News	Tales From Darkside	Honey-mooners	Dempsey & Makepeace		Twilight Zone	
NOST F4 21	**Movie**	Mega-phone	**The Son Of Monte Cristo** ★★★ (1940) [120 min]				**Catherine The Great** ★★★ (1934) [92 min]				**The Scarlet Pimpernel** ★★★½ (1935) [120 min]	

SAMPLE
Reprinted from Satellite ORBIT magazine

21 **Brothers Of The West** ★★ (1937)
22 Great Outdoors

7:30E 6:30C 5:30M 4:30P

G1 2 Country Notes
3 At The Movies
7 Investigative Report
11 Guns Of Will Sonnett
15 NHL Hockey New York Rangers at Hartford Whalers (Live) [150 min]
17 Lowell Lundstrom
20 **Eres Adorable** [92 min]
21 Tennis U.S. Pro Indoor Championships Men's Semi-finals, live from Philadelphia. [210 min]
22 Bright Blue Sky For A Ceiling
F3 1 Dangermouse
9 Tennis U.S. Pro Indoor Championships Men's Semi-finals, live from Philadelphia. [210 min]
16 Lake Mead
17 Nature Of Things
20 College Sports Review
S1 15 Country Crossroads
AD1 20 Front Page Challenge (CC)
W4 15 Newton's Apple Life on board the space shuttle with astronaut Jeff Hoffman; a complicated can opener. (CC)
17 Agronsky And Company
F4 6 NHL Hockey New Jersey Devils at Washington Capitals (Live) [165 min]
9 Jimmy Houston Outdoors
10 **Follow Me Quietly** ★★★ (1949)
11 Inside NASCAR
12 Heartbeat
13 Tennis Forum Championship Challenge Ivan Lendl vs. Yannick Noah (R) [150 min]
19 At The Movies
22 Alpine Ski School: The Mountain Awakes

8:00E 7:00C 6:00M 5:00P

F1 8 Gimme A Break!
G1 2 Grand Ole Opry Live
3 College Basketball Marquette at Notre Dame (Live) [120 min]
5 **Mischief** ★★ (1984) [97 min]
6 Sabados Musicales
7 News - Weather - Sports
11 **Tension At Table Rock** ★★ (1956) [120 min]
13 Washington Seminar
14 **Streets Of Fire** ★★½ (1984) [94 min]
17 In Touch
19 **(s) Father Of The Bride** ★★★★ (1950) [93 min]
22 Pacific! Pacific?
23 **(s) The Empire Strikes Back** ★★★★ (1980) [124 min]
24 **The Apple Dumpling Gang** ★★ (1975) [100 min]
F3 1 My Three Sons
3 Rich Cook
4 Score: SportsWatch
6 College Basketball (Teams To Be Announced)
10 **Running Brave** ★★½ (1983) [105 min]
12 That's The Spirit Host Fr. Mark Connally discusses topics of interest to youth.
16 **Rocky** ★★★★ (1976) [120 min]
17 Family Guide Presents
20 College Sports
22 Bargains Tonight
24 **Sleeping Tiger** ★★★ (1954) [120 min]
T3 22 Star Search
AD1 20 NHL Hockey Boston Bruins at Montreal Canadiens (Live) [180 min]
W4 15 Austin City Limits
17 Nature Of Things
T1 2 Airwolf
10 Redd Foxx Show (CC)
F4 2 **Blood Simple** ★★★ (1984) [96 min]
4 Livewire "Don't Be Nervous" Guests include: Rupert Holmes and The Flying Karamazov Brothers. [60 min]
7 Blackwood Brothers
9 NHL Hockey Chicago Black Hawks at Toronto Maple Leafs (Live) [180 min]
11 Guy Lewis
12 Women On Sex: Sex Without Jealousy
19 **Movie**
22 College Basketball Seton Hall at Pittsburgh (Live) [120 min]
F2 22 ESPN Sports Event

8:05E 7:05C 6:05M 5:05P

G1 18 Centennial See Specials. [125 min]

8:30E 7:30C 6:30M 5:30P

F1 8 Facts Of Life (CC)
G1 2 Church Street Station
4 Mouseterpiece Theater
F3 1 Donna Reed Show
3 Zola Levitt
4 Score: Final Score
12 Impact Host: Father Jerry Malizia.
17 Journey To Adventure
S1 15 In Concert
T1 10 Benson "Parade Rest" When an old friend's disability payments are cut off Benson goes to bat for him. (CC)
F4 7 Lowell Lundstrom
10 **You Can't Take It With You** ★★★★ (1938) [127 min]
11 College Basketball Houston at Texas (Live) [120 min]
12 1986 Great American Strip-Off
21 Megaphone Video

9:00E 8:00C 7:00M 6:00P

F1 8 Golden Girls "Nice and Easy" Even the man-loving Blanche is shocked by her niece's behavior.
G1 2 American Sports Cavalcade
4 **My Favorite Year** ★★★½ (1982) [95 min]
6 **Cinco Almohadas Para Una Noche** (1978) [120 min]
7 News Update - Showbiz Week
9 Bodybuilding 1985 Mr. Olympia Competition from Brussels [120 min]
12 **(s) Gremlins** ★★★ (1984) [111 min]
13 Week In Perspective
17 Gospel Music U.S.A.
20 **Sucedio En Mexico** [90 min]
22 Wild Canada
F3 1 **Stage Door Canteen** ★★★ (1943) [120 min]
3 Robert Schuller
4 Wrestling
12 Christopher Closeup "Mental Illness: Inside And Out" Marie Balter, a former mental patient turned mental health professional, discusses her recovery and her work with the mentally ill.
13 **(s) The Main Event** ★★★ (1979) [112 min]
17 Good Housekeeping: A Better Way
T3 2 **Choose Me** ★★★ (1984) [106 min]
22 Hee Haw
W4 17 Sandbaggers
21 **Movie**
T1 2 **Kung Fu: The Movie** (1985) [120 min]
10 Lady Blue (CC)
F4 4 Out Of Control
7 Words Of Life
21 **The Son Of Monte Cristo** ★★★ (1940) [120 min]

9:05E 8:05C 7:05M 6:05P

G1 10 **The Breakfast Club** ★★★ (1984) [97 min]

9:30E 8:30C 7:30M 6:30P

F1 8 227
G1 7 This Week In Japan
19 (s) Manhattan Transfer See Specials.
F3 12 Father John Bertolucci Narrator Father John Bertolucci presents great events in the history of the Catholic Church.
17 A Whole New You
23 **(s) The Man Who Saw Tomorrow** ★★ (1981) [86 min]
W5 24 **(s) Wet Rainbow** ★ (1976) [76 min]
S1 15 Family Foundations
T1 23 Group W Newsfeed
F4 4 Star Trek
7 It Is Written
12 Electric Blue: Cruisin' Beverly Hills

9:40E 8:40C 7:40M 6:40P

G1 24 Legend Of Johnny Appleseed

10:00E 9:00C 8:00M 7:00P

F1 8 Hunter
G1 3 News
5 **The Flamingo Kid** ★★½ (1984) [100 min]
7 News - Weather - Sports
11 World's Best Kept Secret
14 **The Empire Strikes Back** ★★★★ (1980) [124 min]
15 Wrestling
17 Special Presentation
22 Oxford - City In A Dream
24 **The Apple Dumpling Gang Rides Again** ★★ (1979) [88 min]
F3 3 Nancy Harmon
4 Boxing
6 Resort Real Estate
10 Robin Hood Robin (Jason Connery) and his Merry Men help Lord Agrivaine protect King Arthur's Round Table hidden in his castle. Cyril Cusack costars. [60 min]
12 Mother Angelica Live Encore Presentation Host Mother Angelica welcomes guests, presents Bible study and music and invites viewers to call in with questions. [60 min]
16 **Unfaithfully Yours** ★★½ (1984) [96 min]
17 Christian Lifestyle Magazine
24 **Repeat Performance** ★★½ (1947) [120 min]
T3 22 Gunsmoke
W5 22 Meadows Racing
S1 15 La Vida Hoy
AD1 19 National (CC)
W4 15 Wild America (CC)
17 Yes, Minister
21 Austin City Limits
T1 10 Love Boat Two pro wrestlers (Bruce Jenner and Tim Rossovich) compete in the ring and for the favors of a woman; a single expectant mother (Ellen Bry) and a writer (Ben Murphy) share an unusual relationship; Gopher (Fred Grandy) is hypnotized into believing he's the captain. (CC) [60 min]
F4 2 Actor See Specials. [120 min]
4 You Can't Do That On Television
7 Oral Roberts
13 College Basketball LSU at Georgia (R) [120 min]
22 Outdoor Odyssey

10:05E 9:05C 8:05M 7:05P

G1 19 **(s) The Breakfast Club** ★★★ (1984) [97 min]

10:10E 9:10C 8:10M 7:10P

G1 18 Portrait Of America: Washington State

10:15E 9:15C 8:15M 7:15P

G1 23 (s) Not Necessarily The News
F4 6 Wrestling
20 MISL Soccer Minnesota Strikers at Los Angeles Lazers (Live) [120 min]

10:30E 9:30C 8:30M 7:30P

G1 2 Countryclips
13 U.S. House Of Representatives Floor Debate
20 Musica Con Trigo Limpio See Specials.
F3 6 Morey's Markdown Market
17 World Tomorrow
W4 15 Newton's Apple Life on board the space shuttle with astronaut Jeff Hoffman; a complicated can opener. (CC)
17 Mind Your Language
F4 4 Dangermouse
7 International Love Ministries
11 College Basketball Houston at Texas (R) [120 min]
12 February Playboy Video Magazine
19 Independent News
22 Thoroughbred Racing: Post Time From Laurel

10:40E 9:40C 8:40M 7:40P

G1 4 DTV

11:00E 10:00C 9:00M 8:00P

G1 3 Twilight Zone
4 **Blithe Spirit** ★★★½ (1945) [94 min]
6 El Samurai Fugitivo
7 Pinnacle
9 SportsCenter
10 **Neighbors** ★★½ (1981) [94 min]
11 Success 'N' Life
12 **(s) Gremlins** ★★★ (1984) [111 min]
15 Horse Racing
17 Special Presentation
ool ★★★
er
23 (s) Rock
artist Ge
actress Sa
star in this fu
about death, be
deceit -- all the res
packet of white powd
F3 1 Turkey Television
3 Gospel Gold
6 Travelvision Internationa
9 Cartoons
10 **Mischief** ★★ (1984) [97 min]
11 MTV Presents: The Firm
12 Westbrook Hospital "Joe's Boy" A young doctor, who has recently graduated from medical school, is embarrassed that his father sells newspapers in front of the hospital.
13 **(s) The Empire Strikes Back** ★★★★ (1980) [124 min]
17 Jimmy Swaggart
23 **(s) Father Of The Bride** ★★★★ (1950) [93 min]
T3 2 **One Way At A Time** ★ (1979) [90 min]
18 **Sex Drive** [90 min]
22 Wrestling
W5 24 (s) F.U.N. Channel Previews
S1 15 Profiles
AD1 20 National (CC)
W4 15 Austin City Limits
17 Agony Jane's held hostage by an irate follower of her advice.
21 Action-Packed Cliffhangers "Holt of the Secret Service" (Chapter 7 of 7)
T1 10 ABC News (CC)
T2 10 Redd Foxx Show (CC)
18 Airwolf
F4 4 My Three Sons
7 Brother Dave
9 1982 Stanley Cup Highlights
10 **These Three** ★★★½ (1936) [90 min]
19 Tales From The Darkside
21 **Catherine The Great** ★★★ (1934) [92 min]
22 Visions Of Speed An updated version of actor Paul Newman's auto racing exploits.

11:15E 10:15C 9:15M 8:15P

G1 18 Night Tracks: Chartbusters
AD1 20 News
F4 6 Untouchables

11:25E 10:25C 9:25M 8:25P

W5 24 **(s) A Touch Of Sex** [90 min]

11:30E 10:30C 9:30M 8:30P

F1 8 David Letterman Special
G1 2 Fire On The Mountain
3 Lifestyles Of The Rich And Famous
7 Sports Tonight
11 John Ankerberg
15 **Screamers** ★ (1980) [120 min]
20 Boxeo Desde Mexico
22 Eagle's Gift
23 **(s) The Champ** ★★½ (1979) [122 min]
24 Mouseterpiece Theater

SAMPLE

BRAVO

A Joke of Destiny
(1984 Comedy) Directed by Lina Wertmuller. Ugo Tognazzi.
The Haunted Heros
(1985 Documentary) Produced and directed by Tony Salmon.
Miles Davis
(1985 Musical)
The Competition
(1980 Drama) Richard Dreyfuss, Amy Irving.

CINEMAX

Desperately Seeking Susan
(1985 Drama) Madonna, Rosanna Arquette.
Missing In Action 2-The Beginning
(1985 Drama) Chuck Norris, Soon-Teck On.
The Purple Rose of Cairo
(1985 Drama) Mia Farrow, Woody Allen.
Fast Forward
(1985 Musical) John Scott Clough, Don Franklin.

DISNEY

The Great Chase
(1963 Comedy) Douglas Fairbanks, Buster Keaton.
The Railway Children
(1970 Drama) Dinah Sheridan, Bernard Cribbin.
Anna to the Infinite Power
(1984 Mystery) Dina Merrill, Jack Gilford.
The Wind in the Willows
(1983 Animated)
Never a Dull Moment
(1968 Comedy) Dick Van Dyke, Edward G. Robinson.
The Boy Who Talked to Badgers
(1975 Drama) Carl Betz, Salome Jens.
Genevieve
(1953 Comedy) Dinah Sheridan, John Gregson.

HBO

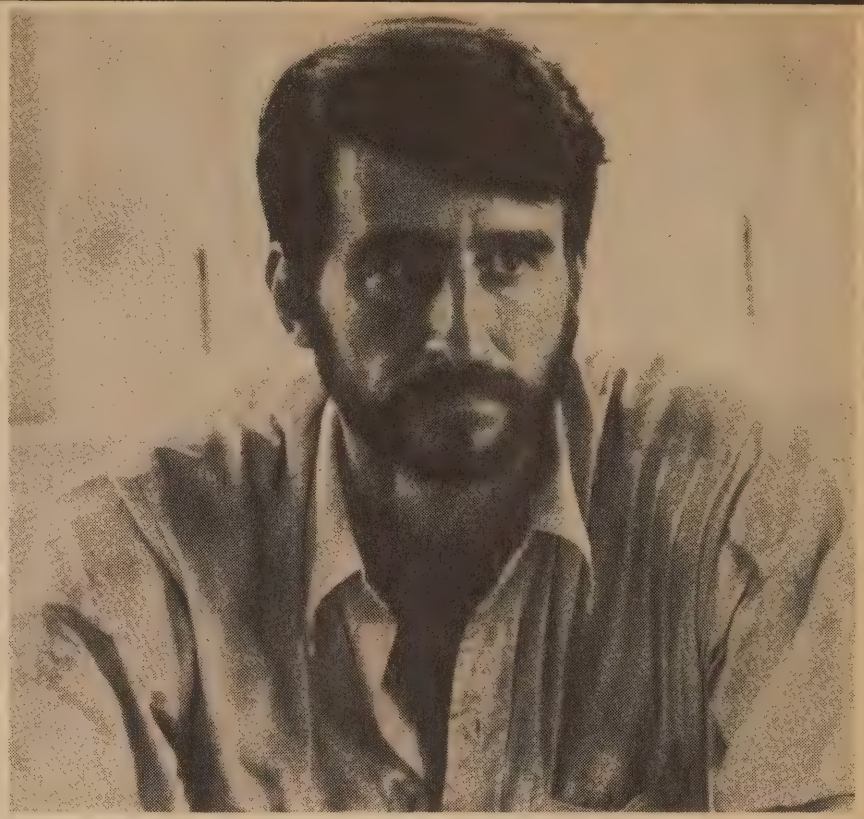
The Killing Fields
(1984 Drama) Sam Waterson, Haing S. Ngor.
Desperately Seeking Susan
(1985 Drama) Madonna, Rosanna Arquette.
Missing In Action 2-The Beginning
(1985 Drama) Chuck Norris, Soon-Tech On.
Act of Vengeance
(1986 Drama) Charles Bronson, Ellen Burstyn.

HTN

Duel in the Sun

Desperately Seeking Susan

COMING NEXT MONTH



The Killing Fields

(1946 Western) Jennifer Jones, Gregory Peck.
Rebecca
(1940 Suspense) Laurence Olivier, Joan Fontaine.
Since You Went Away
(1944 Drama) Claudette Colbert, Jennifer Jones.
SPFX: The Making of The Empire Strikes Back
(1980 Documentary) Mark Hamill, Harrison Ford.
Spellbound
(1945 Mystery) Ingrid Bergman, Gergory Peck.
2010
(1984 Science-Fiction) Roy Scheider, John Lithgow.

SELECTV

Amadeus
(1984 Drama) F. Murray Abraham, Tom Hulce.
The Killing Fields
(1984 Drama) Sam Waterson, Haing S. Ngor.
Flamingo Kid
(1984 Comedy) Matt Dillon, Richard Crenna.
The Cotton Club
(1984 Drama) Richard Gere, Gregory Hines.
Mickey and Maude
(1984 Comedy) Amy Irving, Dudley Moore.
Friday the 13th Part V: A New Beginning
(1985 Horror) John Shepherd, Shavar Ross.
The Mean Season
(1985 Drama) Mariel Hemingway, Kurt Russell.
King David
(1985 Drama) Richard Gere, Alice Krega.
Camelot
(1967 Musical) Richard Harris, Vanessa Redgrave.
Arthur
(1981 Comedy) Dudley Moore, Liza Minnelli.

SHOWTIME

The Killing Fields
(1984 Drama) Sam Waterson, Haing S. Ngor.
Falling in Love
(1984 Drama) Meryl Streep, Robert DeNiro.
Porky's Revenge
(1985 Comedy) Dan Monahan, Wyatt Knight.
Missing In Action 2-The Beginning
(1985 Drama) Chuck Norris, Soon-Teck On
The Adventures of Buckaroo Bonzai: Across the Eighth Dimension
(1984 Comedy) Peter Weller, John Lithgow, Jeff Goldblum.
Electric Dreams
(1984 Romance) Maxwell Caulfield, Lenny Von Dohlen.
Secrets
(1978 Drama) Jacqueline Bissett, Per Oscarsson.
Love Letters
(1984 Drama) Jamie Lee Curtis, James Keach
The Lennon Legacy: Two Generations of Music
Musical special about John and Julien Lennon.

TMC

Amadeus
(1984 Drama) F. Murray Abraham, Tom Hulce.
The Killing Fields
(1984 Drama) Sam Waterson, Haing S. Ngor.
Porky's Revenge
(1985 Comedy) Dan Monahan, Wyatt Knight.
Missing In Action 2—The Beginning
(1985 Drama) Chuck Norris, Soon-Teck On.
First Born
(1984 Drama) Teri Garr, Peter Weller.
Crimes of Passion
(1984 Drama) Kathleen Turner, Anthony Perkins.
Utilities
(1983 Comedy) Robert Hays, Brooke Adams.

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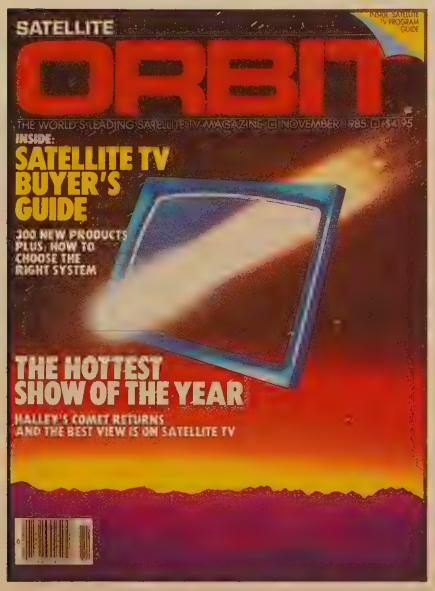
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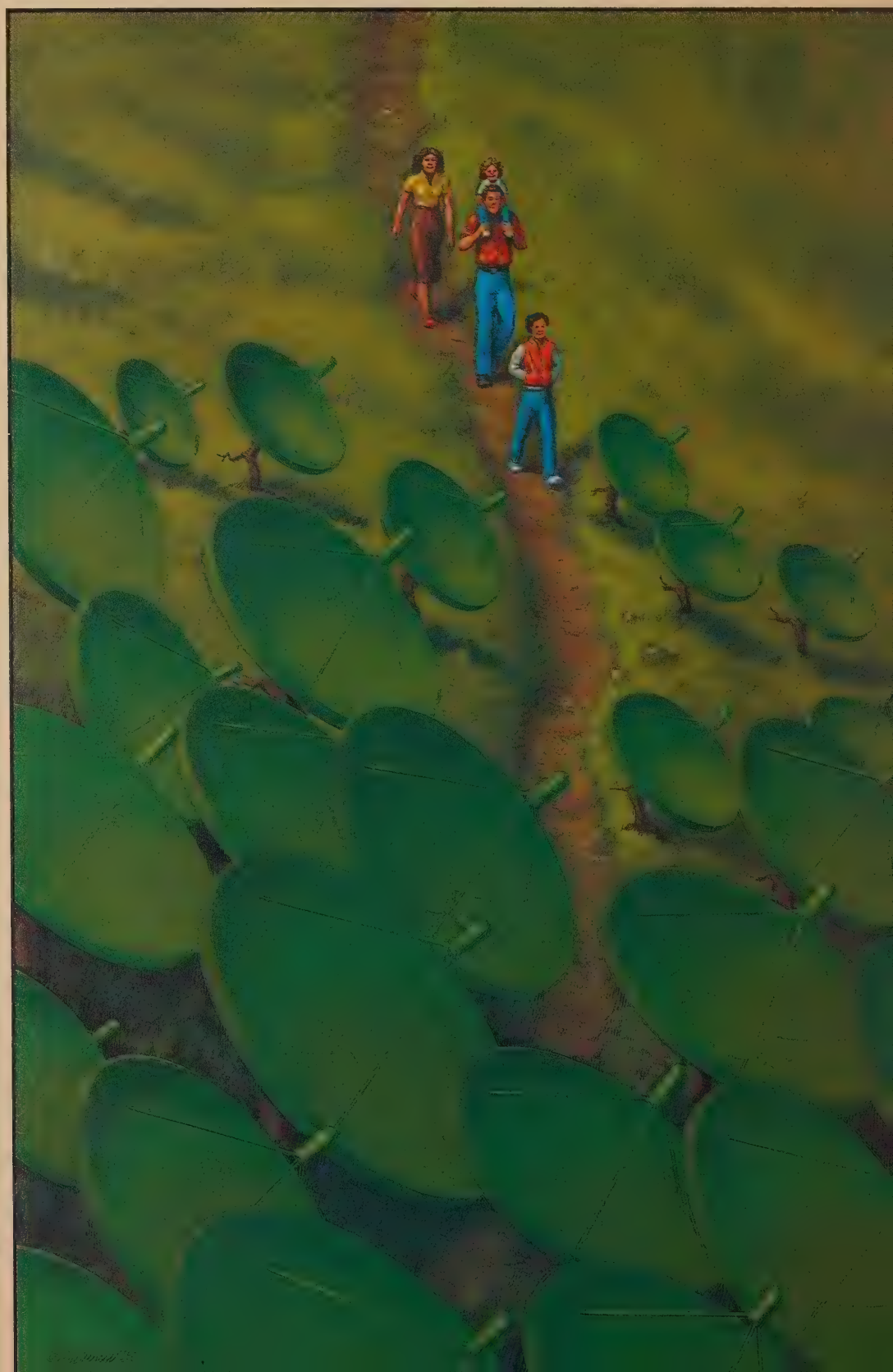
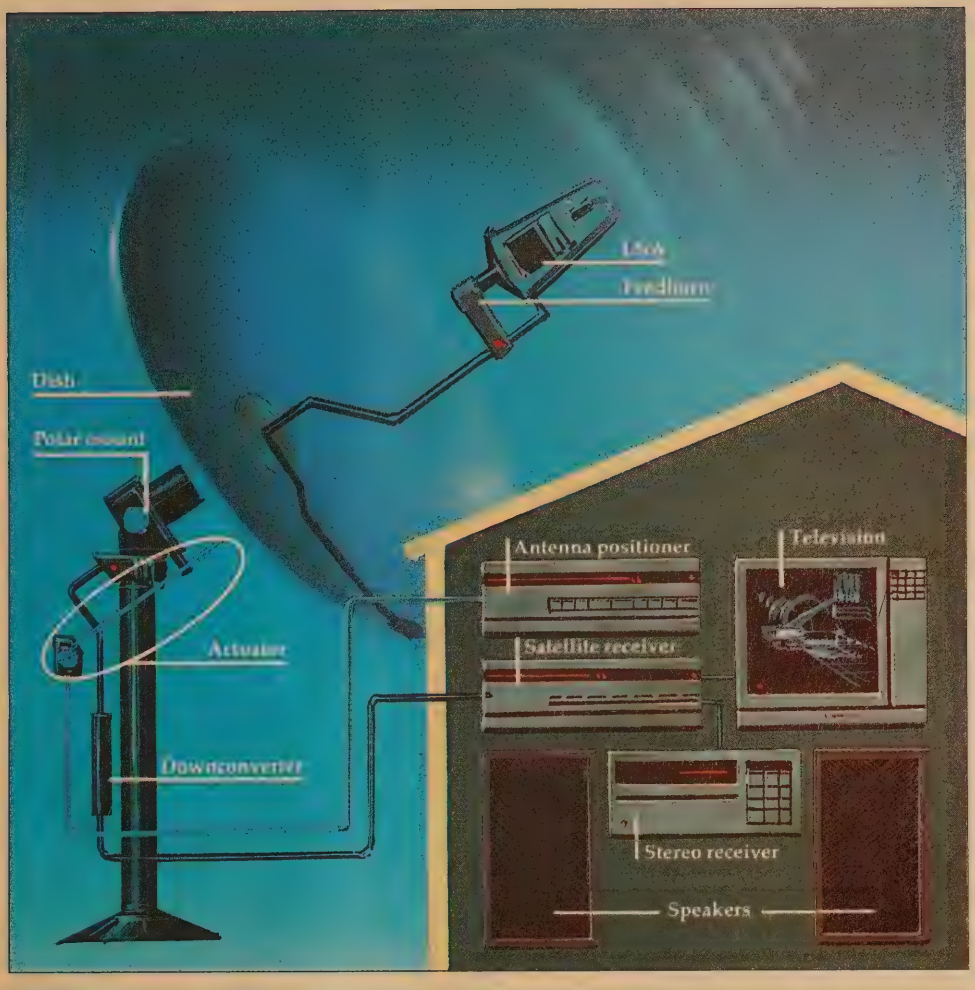




Once you've decided to purchase a home satellite system, you should take the time to look at the many different kinds of systems available. Remember, a complete satellite TV system consists of six basic components: a "dish" antenna, a feedhorn, a low noise amplifier (LNA) and downconverter (or an LNB), a satellite receiver, and an antenna positioner. For the best performance, these components should be carefully chosen so that they will work together as a system.

Most satellite TV dealers now offer carefully integrated component packages, greatly simplifying the process of buying a home satellite system. Of course, if you have certain specific features in mind, such as the ability to receive Ku-band signals, you will need special equipment. In any case, an experienced satellite TV dealer is your best source of information on the right components for your needs.

Fiberglass

Mesh

The Antenna

The most visible component in a satellite TV system, a ''dish'' antenna ranges from four to sixteen feet in diameter. In general, the larger the dish, the better the reception. The size you'll need to get a good picture depends on where you live and how many satellites you want to be able to receive. If you live in the Midwest, where the signals from most domestic satellites are strongest, you can get good reception with a smaller dish, six to eight feet in diameter. But if you live on the East or West Coast, where signals from the satellites are weaker, you'll need a dish nine feet in diameter or larger to get adequate reception.

Dishes smaller than six feet, though initially more attractive because of their unobtrusiveness, do have a couple of disadvantages. They can't always pick up satellites as effectively as larger ones. And smaller dishes sometimes face interference problems, problems that may grow worse in coming years as the number of transmitting satellites in orbit increases.

Though they come in many shapes and colors, home satellite dishes are typically available in two types of construction—mesh and solid. Mesh antennas, made of aluminum or steel, have become popular recently because they offer the advantages of light weight, low wind resistance, and easy maintenance. In addition, a mesh dish is relatively unobtrusive in your yard since you can see through it.

Solid dishes are popular because of their accurate reception and superior durability, especially in harsh climates.

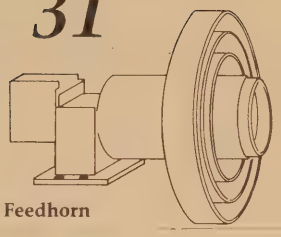
Most solid dishes are made out of aluminum, fiberglass, or steel. All are similar in both performance and price. Most antennas available today have a *parabolic* design, and they are either shallow or deep. Both types of parabolic dish work equally well, but a deep dish shields the feedhorn assembly from interference more effectively. So the deep design may be a plus if you live in an urban area where there are more sources of interference. But the most important thing to look for in a dish antenna is a surface free from bumps, ripples, or other imperfections. The more accurate the dish's parabolic curve, the better the signal reception.

Aluminum

Steel

The Feedhorn

The feedhorn, the device which collects the signal from the antenna and passes it on to the LNA, is mounted at the focal point of the dish. Some feeds are designed to work with shallow dishes, others with deep dishes. Be sure to check that your feedhorn is the right kind for your dish.



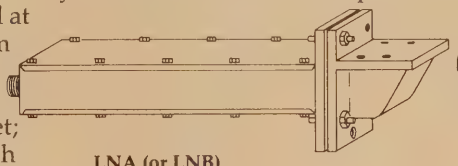
Feedhorn

The LNA and Downconverter

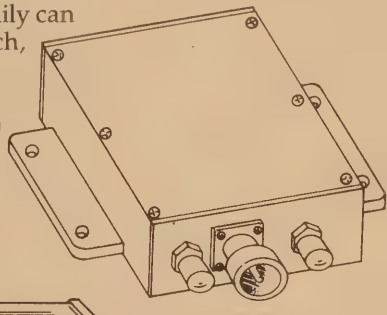
Located within the feedhorn assembly, the LNA (low noise amplifier) amplifies the signal collected by the antenna. The most important characteristic of an LNA is its "noise temperature." Most LNAs in use today have a noise temperature of 80 K (degrees Kelvin), which is sufficient for good reception. The rule here is that the lower the noise temperature of an LNA, the better its performance. The downconverter, which is usually located at the antenna mount, takes the signal from the LNA and changes it to a lower frequency. Standard downconverters allow you to watch satellite TV on one set; block downconverters allow you to watch several programs (from the same satellite) on several sets.

The LNB

The LNB (low noise block downconverter) is a component which can be used in place of an LNA and block downconverter. Like the LNA/block downconverter, an LNB gives you the capability of hooking up two or more receivers to watch two or more different programs (from one satellite) at the same time. If you and your family can never agree on what shows to watch, you should consider this option.



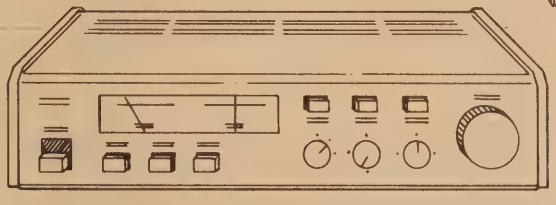
LNA (or LNB)



Downconverter

The Satellite Receiver

The satellite receiver is the part of a home satellite TV system that connects directly with your television set, enabling you to tune in the television channels from the satellites. You also use the receiver to select the audio channels available via satellite. Satellite receivers are like many home electronic products—they come in many styles and varieties with a mind-boggling choice of features. But the most important function of a receiver is tuning in the satellite channels or transponders. Many receivers have continuous tuning controls, while the more expensive models feature detent tuning or digital tuning. Since locating satellites requires precise tuning, these two methods of tuning are more effective. Some high-end receivers also feature built-in stereo synthesizers that convert monophonic sound to synthesized stereo.

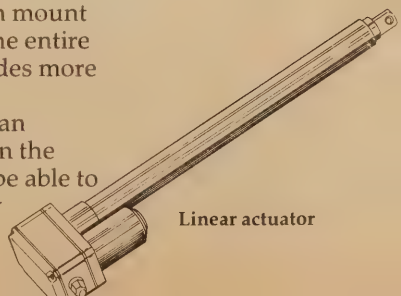


Receiver

The Antenna Positioner

An antenna positioner physically points your dish at the different satellites in the Clarke Belt. Unless you would be content to focus your dish on one satellite and watch the 20 or so channels it carries, you will need a positioner to move your dish from side to side to aim it at the many different satellites in the sky. The least expensive kind of antenna positioner is a hand-crank system. But motorized systems which allow you to push a button in the comfort of your home to automatically move the dish are increasingly popular. There are two types of motorized positioner systems. One is called a linear actuator, a mechanized drive arm connected to one edge of the dish that extends or retracts to move the antenna. The other type of positioner is the "horizon-to-horizon" mount which uses a motor drive to pivot the dish from side to side. A horizon-to-horizon mount makes it possible to scan across the entire sky, while a linear actuator provides more limited dish movement.

Ultimately, your choice of an antenna positioner will depend on the number of satellites you want to be able to receive and the amount of money you are willing to spend.



Linear actuator

GETTING THE FACTS

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Home satellite TV is a brand-new consumer technology. The first home satellite TV systems were installed in the late '70s. Because it is such a new phenomenon, there is some confusion over this exciting form of television. Here are the facts.

Yes, it's legal

First of all, home satellite TV is perfectly legal. In October 1984, President Reagan signed the Satellite Television Viewing Rights Act, a law that confirmed the legality of private, non-commercial use of home satellite TV systems. The act also established that it is legal for home satellite TV viewers to watch unscrambled signals as long as there is no system in place to charge them a subscription fee. The same law also recognized that the companies that distribute programs to cable TV firms across the country via satellite have the right to scramble their signals.

Unscrambling scrambling

Congress acknowledged that scrambling is the only way those companies can be paid by everyone who watches their programming. As a result, a number of satellite TV channels are planning to scramble in the next two years.

However, satellite TV owners will still be able to watch dozens of channels for free. The vast majority of programmers have no intention of scrambling their signals. Those networks that do scramble, like HBO, will also be available to home satellite TV viewers. Receiving HBO will be a simple matter of leasing or buying a descrambling unit and paying a monthly subscription fee. The same unit can be used to descramble the signals of other channels you may want to subscribe to. Subscription packages which will allow you to choose the scrambled programming you want to receive and pay a reasonable subscription fee for those services, will be available to home satellite TV viewers.

Local zoning

Another point you should be aware of in buying a satellite TV system is zoning. Some communities regulate the installation of satellite dishes. In most areas, complying with those regulations is not a problem, but it makes good sense to check with your local authorities just in case. And if you live in a subdivision or planned community, you should also check to be sure that there are no restrictive covenants that would prevent you from installing a satellite dish.

Dollar value

Depending on the size of dish you need and the types of components you choose, a complete home satellite TV system may cost you anywhere from $1,000 for a basic setup to $5,000 or more for a top-of-the-line system. You may want to finance your purchase. Fortunately, financing for satellite TV systems is available from several sources.

First, ask your satellite TV dealer what loan packages he offers. Then compare his best package to a loan you can get from your local financial institutions (more and more are now recognizing the good investment and real value of home satellite TV systems). Other alternatives include borrowing against your life insurance (usually at very low interest rates) or obtaining a loan from your credit union or a finance company.

No matter what source you borrow from, it's likely that your monthly payment on your home satellite TV system will be no higher than what many cable TV companies charge for their monthly service.

All in all, this revolutionary new technology called home satellite TV is your best home entertainment and information value.

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Q: My yard has a lot of trees. Will I be able to pick up satellite TV signals through them?
A: Generally speaking, a satellite TV antenna needs a clear line of sight to the satellites in order to receive an adequate signal. Trees, tall buildings, and other obstructions can cause interference. But the only way to really tell whether or not you'll have a reception problem is to have a satellite TV dealer conduct a *site survey* at your home. He can check to see if there are any locations where a satellite dish would have an unobstructed view of the satellites in the Clarke Belt. You may only be able to receive a few satellites, but there may be enough channels on those satellites to make the investment in a system worthwhile. While he's checking for a good site for your dish, the dealer will also find out whether you would have a problem with what's known as *terrestrial interference*. Microwave towers used to transmit telephone signals are one source of such interference. If terrestrial interference is present, it can usually be neutralized by the use of filters. The last thing to consider in finding a good place for your dish is whether your neighbors or nearby businesses are planning to build any structures that would block your view of the satellites.

Q: Is it possible with a satellite TV system to watch different channels on different TV sets in my home at the same time?
A: Yes. In order to hook up more than one TV set to the system so your family can watch different shows at the same time, you need either a block downconverter or an LNB (low-noise block downconverter). You also need a separate satellite receiver for each TV you want to connect. With such a setup, it's possible to tune in different channels on the same satellite. You can also adapt your system so you can tune in different channels on different *satellites*. Ask a satellite dealer for details on these and other equipment options.

Q: Is home satellite TV legal?
A: Absolutely. In September 1984, President Reagan signed a law that confirmed the legality of home satellite TV.

Q: Will I still be able to watch local TV stations on my set if I have a satellite TV system?
A: Yes. You can set up your equipment so that you can switch back to normal TV at any time to watch a local station on your set. Having a satellite dish antenna does not interfere with conventional broadcast signals in any way.

Q: Does bad weather interfere with satellite TV reception?
A: Severe rain or wind storms can cause temporary interference with your satellite TV system, just as they do with conventional television reception. And in areas that get a significant amount of snow, dish owners need to sweep off their dishes to prevent a build-up of snow from warping the antenna and causing reception problems.

Q: Just how many channels will I be able to receive?
A: It's hard to say exactly how many channels you will pick up on your system. That will depend on the kind of system you buy and the number of satellites that can be viewed by a dish at your location. But it's safe to say that, provided there is an unobstructed view of the Clarke Belt from your home, you should be able to receive between 80 and 100 channels, including both TV and audio broadcasts. For a better idea of what's available on satellite TV, see Birdwatcher, the sample program guide from *Satellite ORBIT* magazine. It begins on page 11.

Q: Is it true that HBO and other channels are scrambling so that people with satellite TV won't be able to watch them?
A: No. HBO and a handful of other satellite TV channels are scrambling, but those satellite TV viewers who want to receive them still can, by buying or leasing a descrambler and paying a monthly subscription fee. A satellite TV dealer can provide the details of how to get a descrambler and subscribe to scrambled program services. But it's important to remember that the vast majority of satellite TV channels do not plan to scramble.

A HOME SATELLITE GLOSSARY

Actuator: A drive system attached to the antenna mount that automatically aims the antenna at each satellite.

Antenna: A dish-shaped reflector that collects and focuses satellite signals to the feedhorn.

Birds: A slang term for satellites.

Block downconverter: A kind of downconverter that allows you to watch multiple channels on multiple TV sets at the same time using a single dish.

C-band: The frequency range at which most of today's communications satellites transmit their signals.

Clarke Belt: The orbit 22,250 miles above the equator where geostationary satellites are positioned. Named after science fiction writer Arthur C. Clarke, who first conceived the idea of placing satellites in such an orbit in 1945.

Decoder: A device designed to "descramble" signals that are intentionally garbled by certain programmers. Also known as a descrambler.

Downconverter: An electronic component usually mounted near the antenna that changes an incoming microwave signal to a lower frequency before sending it to the receiver.

Downlink: The receiving end of a satellite communications network.

Live Feed: A program that is broadcast by satellite before it is edited and shown to non-satellite TV viewers. Also known as a raw or backhaul feed.

Feedhorn: The focal point assembly on a dish that gathers the signal and sends it to the LNA (low noise amplifier).

Focal point: The point at which all signals reflected by the dish converge (see "feedhorn").

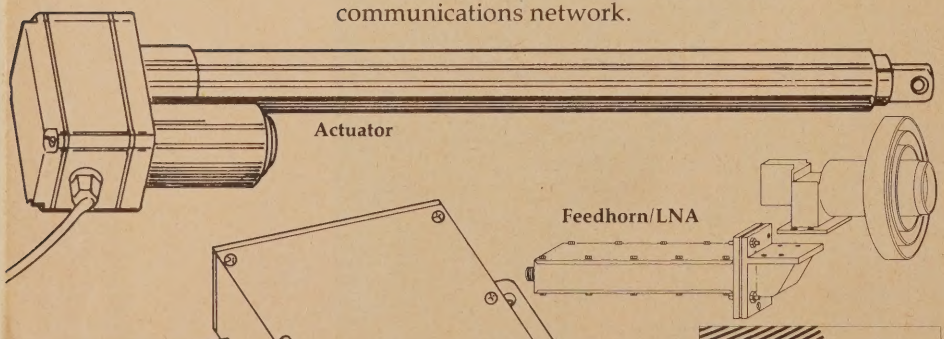
Footprint: The pattern of a satellite's signal strength as it strikes the earth. Usually the signal is strongest in the center and grows progressively weaker toward the edges.

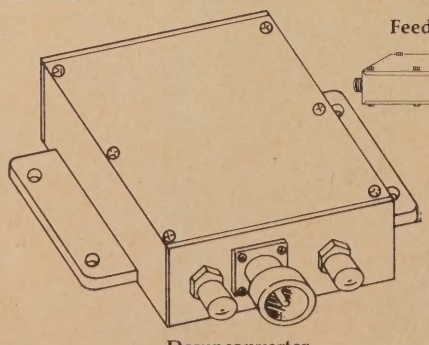
Geosynchronous orbit: An orbit 22,250 miles above the equator in which a satellite circles the earth at the same speed as the earth's rotation. So in this orbit, the satellite appears fixed in relation to a specific point on earth. Also known as a geostationary orbit.

Home earth station: Another name for a home satellite TV system.

Horizon-to-horizon mount: A type of dish mount that allows the dish to track the arc of satellites from east to west.

Interactive TV: A newly emerging type of satellite-broadcast communication that will make it possible to shop, bank, telephone, and learn by staellite.





Ku-band: A frequency range much higher than conventional C-band broadcasts that will carry increased amounts of programming in the future.

LNA (low noise amplifier): A special amplifier attached to the feedhorn that boosts a satellite's signal strength with a minimum of "noise" or interference.

LNB (low noise block downconverter): Similar in function to a block downconverter, this is a type of LNA that allows you to watch more than one channel of programming at the same time.

Noise Temperature: A figure of merit pertaining to an LNA's performance, usually denoted as degrees Kelvin (° K).

Parabolic: The curved shape of most satellite antennas, which reflects their signals to a focal point.

Polarization: A process that increases a satellite's channel capacity by overlapping signals—horizontal and vertical—allowing them to be broadcast simultaneously.

Polar mount: A type of antenna mount that enables the dish to precisely track the arc of the Clarke Belt.

Satellite receiver: A receiver like a conventional television receiver, which processes satellite signals, and allows you to tune in different video and audio channels.

Scrambling: A method used by some satellite programmers to garble their signals so that only authorized viewers with decoders can receive them.

Site Survey: A test for possible sources of interference and obstructions at your home. This must be conducted by a dealer prior to a system installation.

Subcarrier: A carrier that is transmitted along with the video carrier. These are used to carry radio station signals, data, and the sound portion of the TV programs.

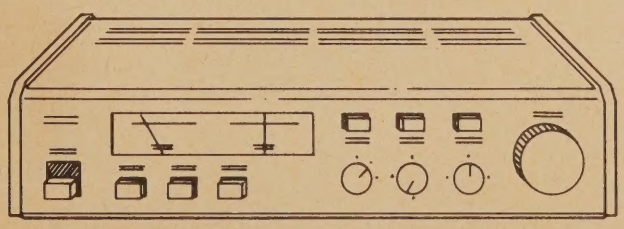
Superstation: A local, independent station that gains a large, nationwide audience when it begins broadcasting via satellite.

Transponder: Another name for a satellite TV "channel." Transponders are microwave repeaters located in satellites that receive, amplify, and transmit signals back to Earth.

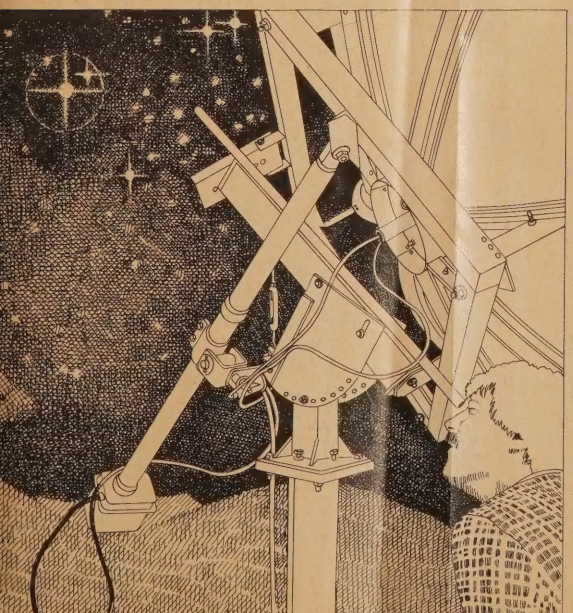
TVRO: Television receive only. Another name that's sometimes used to describe a home satellite TV system.

Uplink: A ground station that is the transmitting end of a satellite communications network.

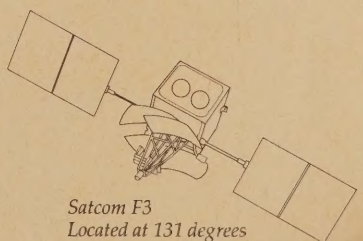
Satellite receiver



Polar mount



Uplink



Satcom F3
Located at 131 degrees west, Satcom F3 is currently the second most-watched satellite.

DEALER NAME AND ADDRESS

ORDER DATE	DELIVERY DATE	TERMS

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CITY _____

STATE _____ ZIP _____

PHONE (H) _____ (O) _____

DELIVER TO _____

ADDRESS _____

CITY _____

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PHONE (H) _____ (O) _____

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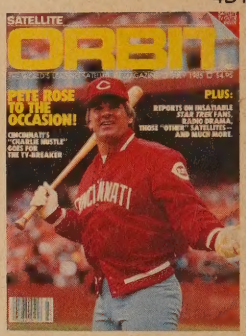

ITEMS	QUANTITY	PRICE	EXTENSION
	EQUIPMENT TOTAL		
	TAX		
	INSTALLATION		
	TOTAL		

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